Service Manual

ViewSonic VG800b

Model No. VLCDS23896-5W
18" Color TFT LCD Display

VG800b-1_SM_606 - Rev. 1a – Oct 2002)

ViewSonic® 381 Brea Canyon Road, Walnut, California 91789 USA - (800) 888-8583

Revision History

Revision	Date	Description Of Changes	Approval
1a	**10/22/02**	**Initial Release DCN-2660**	**C.Shen**

TABLE OF CONTENTS

1. PRECAUTIONS AND NOTICES

Prior to using this manual, please ensure that you have carefully followed all the procedures outlined in the user manual for this product.

- Read all of these instructions.
- Save these instructions for later use.
- Follow all warnings and instructions marked on the product.
- Do not use this product near water.
- This display should be installed on a solid horizontal base.
- When cleaning, use only a neutral detergent cleaner with a soft damp cloth. Do not spray with liquid or aerosol cleaners.
- Do not expose this display to direct sunlight or heat. Hot air may cause damage to the cabinet and other parts.
- Adequate ventilation must be maintained to ensure reliable and continued operation and to protect the display from overheating. Do not block ventilation slots and openings with objects or install the display in a place where ventilation may be hindered.
- Do not install this display near a motor or transformer where strong magnetism is generated. Images on the display will become distorted and the color irregular.
- Do not allow metal pieces or objects of any kind fall into the display from ventilation holes.

Slots and openings in the cabinet and the back or bottom are provided for ventilation, to ensure reliable operation of the product and to protect it from overheating, those openings must not be blocked or covered. The openings should never be blocked by placing the product on a bed, sofa, rug, or other similar surface. This product should never be placed near or over a radiator or heat register. This product should not be placed in a built-in installation unless proper ventilation is provided.

2. SPECIFICATIONS

Content

1. Scope

The following specifications are applicable to model VG800b 18 inch color LCD monitor.

2. General Description (Quick Reference)

LCD	Chi-Mei 18.0" SXGA TFT- MVA	
	Size	18.0 inches diagonal
	Effective Display Size	357.12 mm X 285.696 mm (typical)
	Pixel Pitch	0.279 mm X 0.279 mm
	Resolution	1280 x 1024 dot (SXGA)
	Brightness	250 cd / m² (typ.), 200(min.)
	Contrast Ratio	600:1(max), 400:1(typ.), 300 (min.)
	Color	16,777,216
	Viewing Angle	Up 80° Down 80°(min.) Left 80° Right 80°(min.) CR>10:1
	Surface treatment	Anti-Glare
Input Signals	RGB Analog 0.7 Vp-p / 75Ω Positive Polarity Separate sync. TTL level Composite sync Sync-On-Green	
Input connector	Analog mini D-sub 15 pin x 1 Audio min-Din 2 channel x 2	
Speaker	Max 3W x 2	
Main IC	GM5020	
Display Colors	16,777,216	
Preset Timings	1280x1024@60Hz, 75Hz, 1024x768@60Hz, 70Hz, 75Hz, 85Hz 800x600@56Hz, 60Hz, 72Hz, 75Hz, 85Hz 640x480@60Hz, 72Hz, 75Hz, 85Hz 720x400@70Hz	
Synchronization	Horizontal 30 kHz to 82 kHz (automatically) Vertical 50 Hz to 85 Hz (automatically) Non-interlaced Max Pixel Rated 135Mhz	
Resolution	Horizontal 1280 dots Vertical 1024 lines	
Active Display Area	Horizontal 357.12 mm (typical) Vertical 285.696 mm (typical) (Active display area is dependent upon signal timings)	
Power Supply Rating	AC adapter input AC90V-264V 50 / 60 Hz DC input DC 12V	
AC Power Consumption	60W On mode less than 3W Off mode(w/o audio cable connected)	

Current Rating	AC input 0.7A @AC 100-240V DC input 4.0A @DC 12.0V	
Dimensions	Net 436 (W) x 462 (H) x 181 (D) mm Gross 565 (W) x 525 (H) x 260 (D) mm	
Weight	Net 6.9Kg Gross 10.6Kg	
Environmental Conditions	Operating Temperature 0 to 50°C (PANEL SURFACE) Operating Humidity 20 to 80% (no condensation, < wetbulb 29 degree C) Storage Temperature -20 to 60°C Storage Humidity 5 to 85% (no condensation, < wetbulb 29 degree C)	
Accessories	AC power cord-UL AC power cord-Schuko Analog VGA cable Audio cable Viewsonic CD-Wizard	1.8m 1.8m 1.8m 1.8m 1 1
Regulatory Standards	UL, CSA or cUL, CB Report, CE, FCC-B, DOC-B, **TUV/Ergo** (which **covers ISO13406-2 and MPRIII**), TUV/GS, PCT (GOST-R) with 20 Hygienic certificates, PCBC (B Mark), SEMKO, DEMKO, FIMKO, NEMKO, BSMI, VCCI, CCIB/EMC, CCEE, PSB (Singapore Safety), TCO'95, NOM and Argentina IRAM (thru TUV).	
Osd Language	English, French, German,Spanish, Italian, Suomi	
Others	Tilt Angle 20° up / 5° down Power Saving System User Control by touch sensor keypad with On Screen Display- VESA DDC1/2B compatible (digital port DDC2B only)	

3. Electrical Characteristics

3.1 Power Supply

3.1.1 AC Input (AC Adapter)

Input Voltage AC90-264V

Frequency 47 / 63Hz

Power Consumption:

60 W (typ) on mode

less than 3W power save mode (audio cable not connected)

Current Rating 0.7A @ AC100-240V

3.1.2 DC Input

Input Voltage DC 12 V

Current Rating 4.0A

3.2 LCD

LCD	Chi-Mei panel(TFT-MVA)
Effective display size	357.12 (H) x 285.696 (V) mm (typ)
	18.0" / 46 cm diagonal
Pixel number	1280 x 1024 pixels
Color filter arrangement	R.G.B. vertical stripe
Display method	TFT, normally black
Drive method	Active matrix (TFT) - MVA
Dot pitch	0.093 (H) x 0.279 (V) mm
Pixel pitch	0.279 (H) x 0.279 (V) mm
Dot number	1280 x 1024 x 3 dots
Backlight	Edge-lighting type with 6 CCFLs
	(Cold Cathode Fluorescent Tube)
Brightness	250 cd/m^2(typ),200 cd/m^2 (min: center / all white)
Contrast ratio	600 :1 (max), 400:1(typ), 300:1(min)
Display color	16,777,216
Minimum viewing angle	Up 80° / down 80° / right 80° / left 80°
	(Contrast ratio>10 at Ta=25°C, 77°F)
Response time	30 msec (Typical at 25 degree C)

3.3 Interface Signals

3.3.1 RGB Video Signals

3.3.1.1 Separate Sync . Signals

Analog R,G,B	0 - 0.7 Vp-p
Signal Level	75Ω ± 5%
Sync Level	TTL level
Sync Polarity	independent

3.3.1.2 Sync On green, Composite Sync

3.3.2 Audio spec.

3.3.2.1 Line input connection

3.5 mm stereo jack x 1

3.3.2.2 Line input signal & impedance

1.0 Vrms, 10 kOhm

3.3.2.3 OUTPUT SIGNAL AT SPEAKER TERMINAL

Vp-p(out) >= 5 Vp-p @ < 10 % distortion

3.3.2.4 Frequency Response

300 Hz – 20 Khz

3.3.2.5 Connector PC99 requirement Audio in

Lime Green pantone # 577C

3.3.2.6 Cable length

1.8 m

3.3.2.7 Audio DPMS

Speakers stay on when the rest of the monitor is in power saving.

3.3.2.8 Speakers

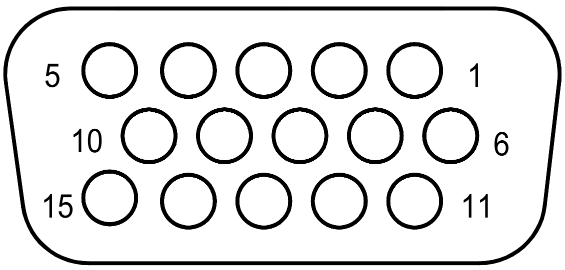
Impedance 4 Ohm

Output Wattage 3.0W(max.) x 2

3.3.3 Input Signal Connectors

3.3.3.1 Analog RGB Video Input : 15 pin mini D-sub

PIN NO.	Separate Sync
1	RED
2	GREEN
3	BLUE
4	GROUND
5	GROUND
6	GROUND
7	GROUND
8	GROUND
9	+5V
10	GROUND
11	N.C
12	SDA
13	H.SYNC
14	V.SYNC
15	SCL



3.3.3.2 Audio Connector

3.5 mm Stereo jack x 1,

3.5mm Microphone jack x 1

3.3.4 Signal Timing

3.3.4.1 User Timing Mode memory

always do auto image adjust after timing mode change

3.3.4.2 Timing mode Change

maximum time for mode Change with auto image adjust 7 sec.

3.3.4.3 Signal Timing Table

The factory test input video signal is defined as the following table:

Preset No.	H.sync Frequency	V.sync Frequency	SYNC POL.		Video Mode	Description
			H-SYNC	V-SYNC		
MOD [1]	31.468 ±1.0KHz	70.0 ±1.0Hz	+	-	640X350(70)	Text mode
MOD [2]	31.468 ±1.0KHz	70.0 ±1.0Hz	-	+	720X400(70)	Dos text
MOD [3]	31.468 ±1.0KHz	59.94 ±1.0Hz	-	-	640X480(60)	VESA STANDARD
MOD [4]	35.01 ±1.0KHz	66.67 ±1.0Hz	-	-	640X480(66)	MAC
MOD [5]	37.86 ±1.0KHz	72.81 ±1.0Hz	-	-	640X480(72)	VESA STANDARD
MOD [6]	37.5 ±1.0KHz	75.0 ±1.0Hz	-	-	640X480(75)	VESA STANDARD
MOD [7]	43.27 ±1.0KHz	85.0 ±1.0Hz	-	-	640X480(85)	VESA STANDARD
MOD [8]	35.16 ±1.0KHz	56.25 ±1.0Hz	+	+	800X600(56)	VESA STANDARD
MOD [9]	37.88 ±1.0KHz	60.32 ±1.0Hz	+	+	800X600(60)	VESA STANDARD
MOD [10]	48.077 ±1.0KHz	72.19 ±1.0Hz	+	+	800X600(72)	VESA STANDARD
MOD [11]	46.875 ±1.0KHz	75.0 ±1.0Hz	+	+	800X600(75)	VESA STANDARD
MOD [12]	53.67 ±1.0KHz	85.0 ±1.0Hz	+	+	800X600(85)	VESA STANDARD
MOD [13]	49.72 ±1.0KHz	74.5 ±1.0Hz	-	-	832X624(75)	MAC
MOD [14]	48.363 ±1.0KHz	60.0 ±1.0Hz	-	-	1024X768(60)	VESA STANDARD
MOD [15]	58.01 ±1.0KHz	72.08 ±1.0Hz	-	-	1024X768(72)	VESA STANDARD
MOD [16]	60.023 ±1.0KHz	75.0 ±1.0Hz	+	+	1024X768(75)	VESA STANDARD
MOD [17]	68.67 ±1.0KHz	85.0 ±1.0Hz	+	+	1024X768(85)	VESA STANDARD
MOD [20]	63.981 ±1.0KHz	60.02 ±1.0Hz	+	+	1280X1024(60)	VESA STANDARD
MOD [21]	79.976 ±1.0KHz	75.0 ±1.0Hz	+	+	1280X1024(75)	VESA STANDARD

3.4 Luminance Control

Analog signal (6500K)

over 200 cd / m^2 (@ Cont / Bright max)

3.5. Synchronization

Horizontal: 30 to 82 kHz

Vertical: 50 to 85 Hz Non-interlaced

maximum 75Hz @ 1280 x 1024 mode

Recommended 60Hz @ 1280 x 1024 mode

3.6 Display Characteristics

3.6.1 Picture Size

Horizontal Width 357.12 mm (typical)

Vertical Width 285.70 mm (typical)

3.6.2 Optical Characteristics

General qualities: The following data was measured by BM7 of TOPCON data are panel optical data, for analog signal there are +- 5% tolerance.

<table>
<tr><th colspan="2">Item</th><th>Code</th><th>Conditions</th><th>Min.</th><th>Typ.</th><th>Max.</th><th>Unit</th></tr>
<tr><td colspan="2">Contrast</td><td>CR</td><td>White／Black at Image Center</td><td>300</td><td>400</td><td>—</td><td>—</td></tr>
<tr><td colspan="2">White Brightness</td><td>L VMAX</td><td>Whole White</td><td>200</td><td>250</td><td>—</td><td>cd / m^2</td></tr>
<tr><td colspan="2">Uniformity of Brightness</td><td></td><td>$\frac{Bmin}{Bmax}$</td><td>70</td><td>75</td><td>—</td><td>%</td></tr>
<tr><td colspan="2">Response At 25 degree</td><td>Tpd</td><td>All White → All Black
All Black → All White</td><td>—</td><td>10
20</td><td>25
30</td><td>ms
ms</td></tr>
<tr><td rowspan="4">Viewing Angle</td><td>Right</td><td>ΘR</td><td rowspan="4">Center CR＞10</td><td>80</td><td>—</td><td>—</td><td>Degree</td></tr>
<tr><td>Left</td><td>ΘL</td><td>80</td><td>—</td><td>—</td><td>Degree</td></tr>
<tr><td>Up</td><td>ΦH</td><td>80</td><td>—</td><td>—</td><td>Degree</td></tr>
<tr><td>Down</td><td>ΦL</td><td>80</td><td>—</td><td>—</td><td>Degree</td></tr>
<tr><td colspan="2">Luminance control</td><td></td><td>All White(digital signal or analog 6500k) Brightness at center of display surface</td><td colspan="3">>=200 (cont / bright backlight max)</td><td>Cd / m^2</td></tr>
</table>

These characteristics were measured under the following conditions:

Temperature: 77 ± 6°F, 25 ± 5°C

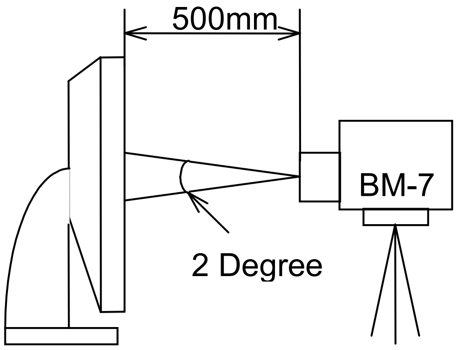
Viewing angle: *A*U = 0°, *A*R = 0°

Warm Up time: minimum 30 minutes

Measuring instrument: TOPCOM BM-7 Luminance Meter

Measuring distance: 500 mm

Measuring angle: 2°

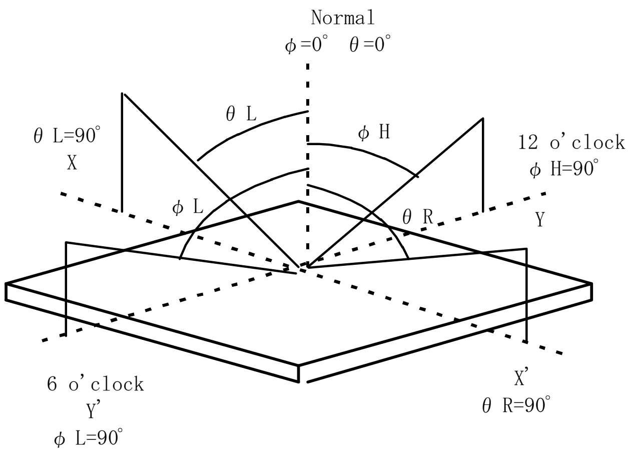


Notes:

(Note 1) Contrast ratio is defined as the following formula.

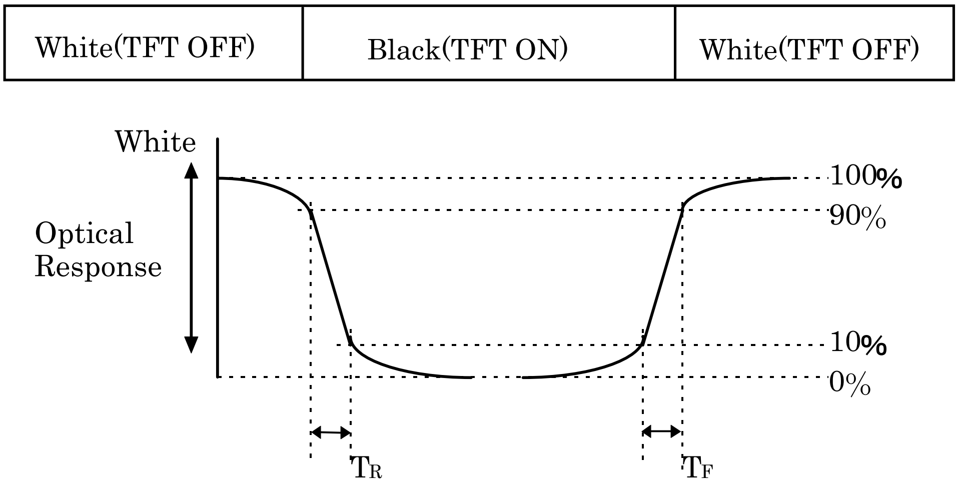
$$\text{Contrast ratio} = \frac{\text{Brightness(Luminance) with all pixels at "white"}}{\text{Brightness with all pixels at "black"}}$$

(Note 2) Viewing angle is measured as follows:



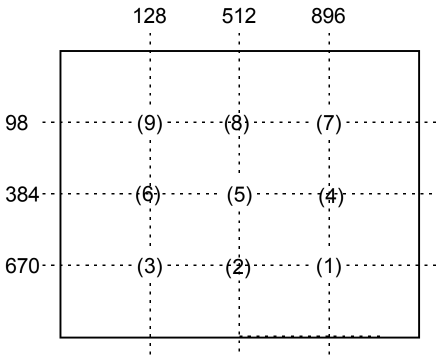
(Note 3) Definition of response time is as follows:

Response time is measured when the display data is changed from white to black.



(Note 4) Judge points for brightness uniformity

Brightness uniformity is judged at nine (9) points on display area:



$$BUNI = \frac{Bmin}{Bmax}$$

Bmax : Maximum Brightness

Bmin : Minimum Brightness

3.6.3.

LCD Panel

Mechanical

Active Area (mm)	357.12 x 285.696
Pixel pitch (mm)	0.279 (0.093x3)
Mass typical (g)	2500
Panel dimensions (WxDxH) mm	404x322.2x20.2 mm(typ)
Resolution	1280 x 1024
Surface Treatment with Haze value	Anti-glare, 3H
Panel Model number	M180E1-L03 (18" TFT)
Panel Interfaces	Dual LVDS

Optical performance

Contrast ratio	600:1 Maximum, 400:1 Typical, 300:1 Minimum
Luminance of white(center)	250 nits Typical 200 nits Minimum
White Uniformity	75% (9 points measurement)
Chromaticity values (red, green, blue) center	'x = +/- 0.030 'y = +/- 0.030
Color temperature	'x = 0.310 +/- 0.030 'y = 0.330 +/- 0.030
Color drift x/y on CIE 1931 2°	0.015 (9 points measurement)
EBU	85% Min
Colors	True 8 bits (16.7M)
Viewing Angle H, V (CR>10)	160 Degrees
Film	Do not use wide viewing film
Response time ms	Typical Tr = 20ms ; Tf = 10ms Maximum Tr = 30ms; Tf = 25ms
Number of Back Light(CCFL)	6 – Edge type back light
Backlight (hrs)	60,000 (typ), 50,000 hours Min

3.7 Power Management

VG800b will enter power saving mode under the following conditions:

Power Management condition and status

State	Signals			Power Supply	Video Circuit	LCD	LED
	Horizontal	Vertical	Video				
On	Pulses	Pulses	Active	On	On	On	Green
Stand-by	No Pulses	Pulses	Blanking		Off	Off	Amber
Suspend	Pulses	No Pulses					
Off	No Pulses	No Pulses					
Complete	N/A	N/A	N/A	Off			Off

3.8 FullScan Capability

When the input display mode is not 1280x1024, the image area is scaled as follows:

Flex Scan Mode	Input display		Expanded Rate		Expanded Resolution
	Mode	Resolution	Horizontal	Vertical	
Expansion 1		640x350	2	2.93	1280x1024
Expansion 2		640x400	2	2.56	1280x1024
Expansion 3		640x480	2	2.13	1280x1024
Expansion 4		720x400	1.78	2.56	1280x1024
Expansion 5		800x600	1.6	1.71	1280x1024
Expansion 6		832x624	1.54	1.6	1280x1024
Expansion 7		1024x768	1.25	1.33	1280x1024
Expansion 8		1152x864	1.11	1.85	1280x1024
Standard		1280x1024	1	1	1280x1024

4. Mechanical Characteristics

4.1 Dimensions

Net: 436 (W) x 462 (H) x 181 (D) mm

Gross: 565 (W) x 525 (H) x 260 (D) mm

4.2 Weight

Net: 6.9Kg

Gross: 10.6 Kg

4.3 Base Rotation

Tilt: up 20 ° / down 5 °

4.4 Labeling

4.4.1 ID Label (Paste on Rear Cover)

Material: Polyester
Color: Black (same as plastic color) / White (Letter)
Size: 50 (W) X 25 (H) mm
Location: Rear Back Label
Contents: Appendix III

4.4.2 LABEL (AC ADAPTER)

Material: Polyester
Thickness: 0.15mm
Color: Black (Base color) / Mist White (letter)
Size: 41 (W) x 91 (H) mm
Location: BOTTOM OF AC ADAPTER
Block Copy: DELTA ELECTRONICS,INC. AND **ViewSonic**
Contents: Appendix III

4.4.3 Bar Code Number Label (Carton Box)

Material: Art Paper
Color: White (Base) / Black (Letter)
Size: 76 (W) X 76 (H) mm
Location: Carton Box (Side Wall)
Contents: Appendix III

4.4.4 Serial Number Label (Rear Back Label)

Material: Art Paper
Color: White (Base) / Black (Letter)
Size: 25 (W) X 50 (H) mm
Location: Paste on Rear Back Label
Contents: Appendix III

4.5 Serial Number Format

Serial No. PPP YY WW XXXXX

- XXXXX — Serial No. (5-digit)
- WW — Manufacturing week
- YY — Last digit of manufacturing year
- PPP — Regional Product ID Code : VG800b:A1P

4.6 UPC Coding (Code 39 format)

Worldwide Model UPC Code:766907 710854

4.7 PCB Revision Control Label

4.7.1 PCB Assembly Revision Control

Model No : L18CMW 05ACW(CMO)

PCBA Code : XX YY - 001

(CMO) — LCD Panel Supplier

XX — PCB Rev.

Production Code : AA YY WW

WW — Manufacturing week

YY — Last digit of manufacturing year

AA — Production Line No.

4.7.2 MCU Revision Label

Customer Model No.: VG800 b

LCD Panel Supplier : CMO

Rev No : P01

5. Packaging

5.1 Carton Box

Dimensions:	565(W) x 525(H) x 260(D) mm
Color:	4-Color printing box
Material:	BC-FLUTE or Equivalent, double wall

6. Environmental Characteristics

6.1 Operating Conditions

Temperature:	0 Through + 40° C
Humidity:	8% To 80% (39 degree welt bulb)
Altitude:	0 – 3,000 Meter

6.2 Non-operating Conditions

Temperature:	-20 Through +60 ° C
Humidity:	5% To 95% (39 degree welt bulb)
Altitude:	0 – 12,000 meter

7. Factory setting

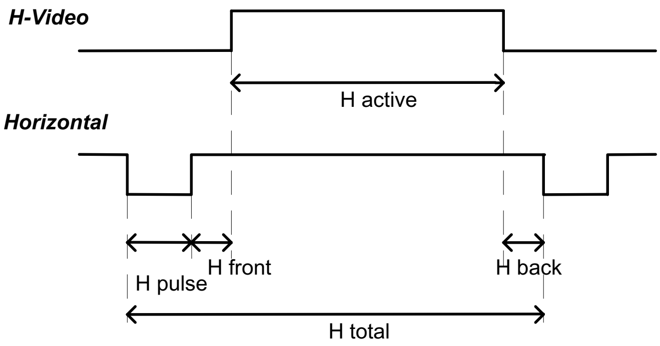
7.1 OSD

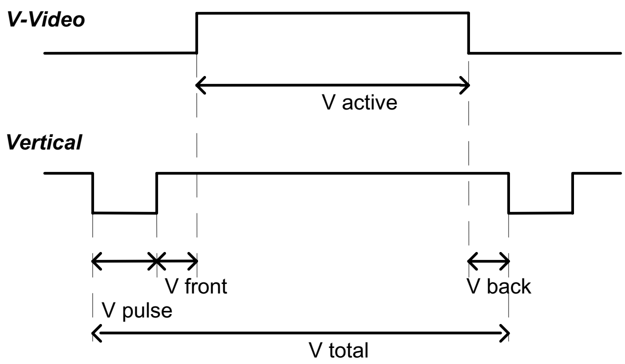
Brightness	100%(based on 0-100%)
Contrast	80%(based on 0-100%)
AutoTune	Executed
Color Temperature	6500k
Volume	50%
Balance	50%
Bass/Treble	50%
OSD Timeout	15 Sec
Language	English
OSD position	Center
Scaling	Fill all

7.2 Power Switch

OFF

Appendix I Preset Signal Timings





Analog timing mode table

	mode	1	2	3	4	5
signal name	symbol	text	Dos-text	VGA	MAC 14"	VGA
H-frequency(khz)		31.468	31.468	31.468	35	37.862
V-frequency(hz)		70.087	70.077	59.941	66.667	72.807
Pixel rate(mhz)		25.175	28.327	25.175	30.24	31.501
H-sync	Ths	96	108	96	64	40
H-back porch	Thb	48	54	48	96	128
H-total	Thd	800	900	800	864	832
H- front porch	Tv	16	18	16	64	24
V-sync	Tvs	2	2	2	3	3
V-back porch	Tvb	60	35	33	39	28
V-total	Tvd	449	449	525	525	520
V-front porch	Tvf	37	12	10	3	9
H-sync. Polarity		Positive	Negative	Negative	Negative	Negative
V-sync Polarity		Negative	Positive	Negative	Negative	Negative
H-resolution(dots)		640	720	640	640	640
V-resolution(lines)		350	400	480	480	480

	mode	6	7	8	9	10
signal name	symbo	VGA	VESA-VGA	SVGA	SVGA	SVGA
H-frequency(khz)		37.5	43.269	35.156	37.879	48.077
V-frequency(hz)		75	85.005	56.25	60.317	72.188
Pixel rate(mhz)		31.5	36.000	36	40	50
H-sync	Ths	64	56	72	128	120
H-back porch	Thb	120	80	128	88	64
H-total	Thd	840	832	1024	1056	1040
H- front porch	Tv	16	56	24	40	56
V-sync	Tvs	3	3	2	4	6
V-back porch	Tvb	16	25	22	23	23
V-total	Tvd	500	509	625	628	666
V-front porch	Tvf	1	1	1	1	37
H-sync. Polarity		Negative	Negative	Negative	Positive	Positive

V-sync Polarity		Negative	Negative	Negative	Positive	Positive
H-resolution(dots)		640	640	800	800	800
V-resolution(lines)		480	480	600	600	600

	mode	11	12	13	14	15
signal name	symbol	SVGA	SVGA	MAC 16"	XGA	XGA
H-frequency(khz)		46.875	53.674	49.725	48.363	56.476
V-frequency(hz)		75	85.061	74.5	60.004	70.069
Pixel rate(mhz)		49.5	56.250	57.283	65	75
H-sync	Ths	80	64	64	136	136
H-back porch	Thb	160	152	224	160	144
H-total	Thd	1056	1048	1152	1344	1328
H- front porch	Tv	16	32	32	24	24
V-sync	Tvs	3	3	3	6	6
V-back porch	Tvb	21	27	39	29	29
V-total	Tvd	625	631	667	806	806
V-front porch	Tvf	1	1	1	3	3
H-sync. Polarity		Positive	Positive	Negative	Negative	Negative
V-sync Polarity		Positive	Positive	Negative	Negative	Negative
H-resolution(dots)		800	800	832	1024	1024
V-resolution(lines)		600	600	624	768	768

	mode	16	17	18	19	20
signal name	symbol	XGA	XGA	XGA	SXGA	SXGA
H-frequency(khz)		58.099	60.023	68.677	63.981	79.976
V-frequency(hz)		72.082	75.029	84.997	60.02	75.025
Pixel rate(mhz)		78.084	78.75	94.500	108	135
H-sync	Ths	136	96	96	112	144
H-back porch	Thb	160	176	208	248	248

H-total	Thd	1344	1312	1376	1688	1688
H- front porch	Tv	24	16	48	48	16
V-sync	Tvs	6	3	3	3	3
V-back porch	Tvb	29	28	36	38	38
V-total	Tvd	806	800	808	1066	1066
V-front porch	Tvf	3	1	1	1	1
H-sync. Polarity		Negative	Positive	Positive	Positive	Positive
V-sync Polarity		Negative	Positive	Positive	Positive	Positive
H-resolution(dots)		1024	1024	1024	1280	1280
V-resolution(lines)		768	768	768	1024	1024

	mode	21
signal name	symbol	720P
H-frequency(khz)		45.000
V-frequency(hz)		60.00
Pixel rate(mhz)		74.250
H-sync	Ths	40
H-back porch	Thb	270
H-total	Thd	1658
H- front porch	Tv	60
V-sync	Tvs	5
V-back porch	Tvb	20
V-total	Tvd	750
V-front porch	Tvf	5
H-sync. Polarity		Negative
V-sync Polarity		Negative
H-resolution(dots)		1280
V-resolution(lines)		720

Appendix II EDID Code

analog

	0	1	2	3	4	5	6	7	8	9
00	00	FF	FF	FF	FF	FF	FF	00	5A	63
10	0E	23	01	01	01	01	01	0C	01	03
20	0E	24	1D	78	2A	16	76	A2	5A	4B
30	97	24	18	4F	54	BF	EF	80	81	80
40	01	01	01	01	01	01	01	01	01	01
50	01	01	01	01	30	2A	00	98	51	00
60	2A	40	30	70	13	00	68	22	11	00
70	00	1E	00	00	00	FF	00	41	31	50
80	30	32	30	31	30	30	30	30	31	0A
90	00	00	00	FD	00	32	4B	1E	52	0E
100	00	0A	20	20	20	20	20	20	00	00
110	00	FC	00	56	47	38	30	30	62	0A
120	20	20	20	20	20	20	00	D5		

Appendix III Label Printing

ID LABEL

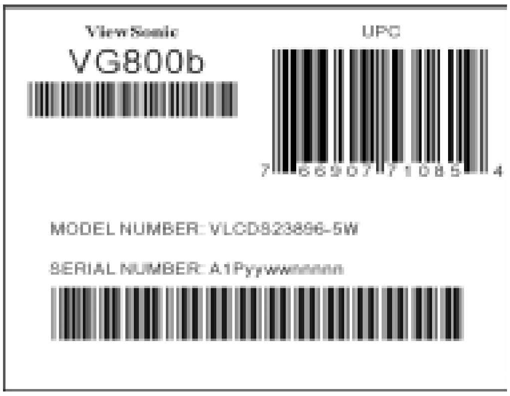


ADAPTER LABEL



Bar Code label/Serial No Label





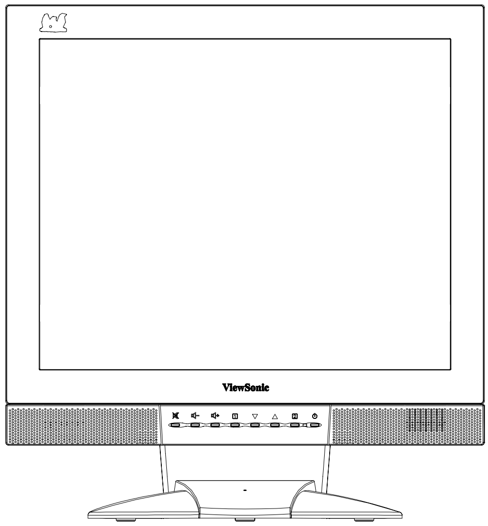
PCB Assembly Revision Control

L18CMW 05ACW(CMO) 0200-001 C10210

MCU Revision Label

VG800 b CMO P01

Front Panel Function Control Description



User control functions

Control buttons :



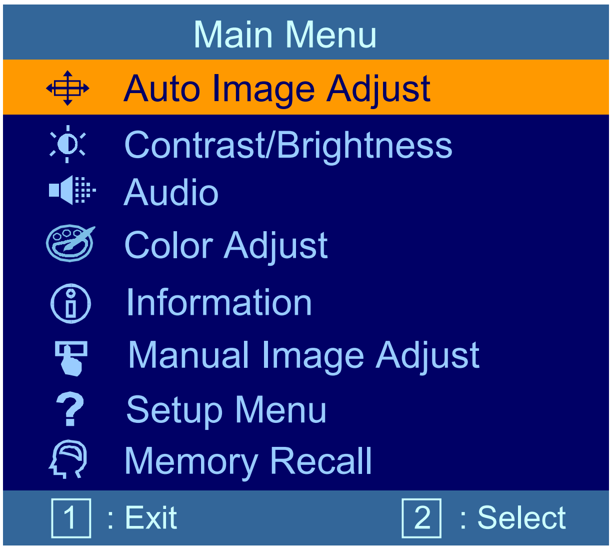
1. press power button to power on whole LCD monitor set. Led on the power button will turn to green
2. press ‘2” button while no OSD will toggle the digital input port and analog input port to display.
3. press “up” and ‘down” button simultaneously will reset the contrast and brightness to default value.
4. press “1” button will enter OSD main menu.
5. press “volume plus”, “volume minus” can directly adjust the audio volume
6. press “mute” button can directly mute the audio volume.

OSD operation flow

The following steps show how to access the **Main Menu, Submenus,** and controls within each **Submenu.** Details on the controls follow the steps listed below.
Note:Any OSD setting will only save after user totally exit OSD menu.

1 Press the [1] button to display the Main Menu shown below.
2 Press the [▼] or [▲] button to scroll to the desired menu option.
3 Press the [2] button to select the menu option.
4 Press the [▼] or [▲] button to select submenu option.

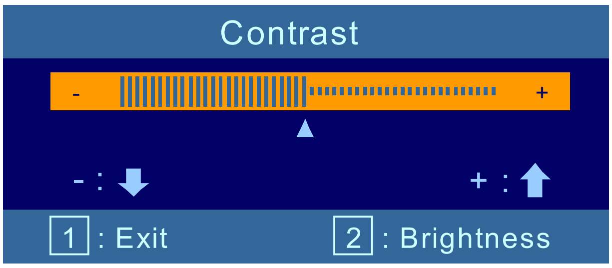
5 After making adjustments, press the [1] button exit the screen, must out the OSD then will save the menu.



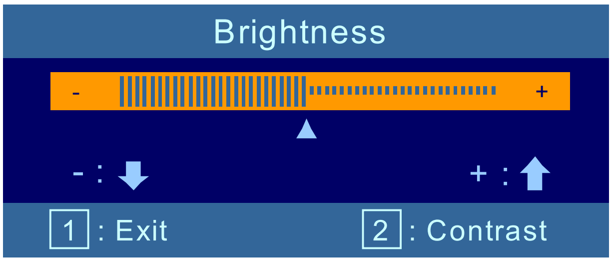
Auto Image Adjust automatically sizes, centers, and fine tunes the video signal to eliminate waviness and distortion. Press the [2] button to obtain a sharper image.

> **NOTE:** Auto Image Adjust works with most common video card. If using the function does not work on your display, Lower the video refresh rate to 60 Hz and try again. (See computer or graphic card user guide to adjust refresh rate.) The panel may be manually tuned using the horizontal and vertical phase controls shown below.

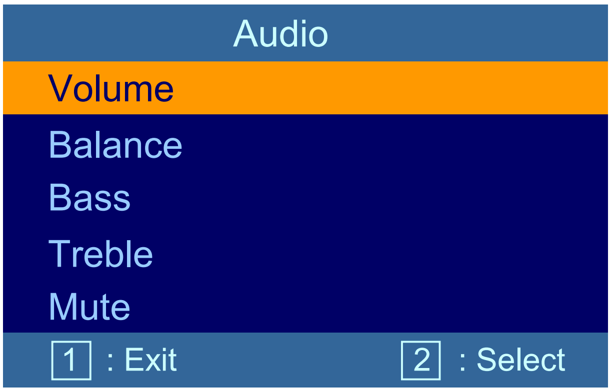
Contrast adjust foreground white level of screen image.
[▲] increase contrast, [▼] decrease contrast.
Shortcut: Before displaying the OnView menu, press the [▼] or [▲] button to adjust. Press button [2] to toggle between brightness and contrast.



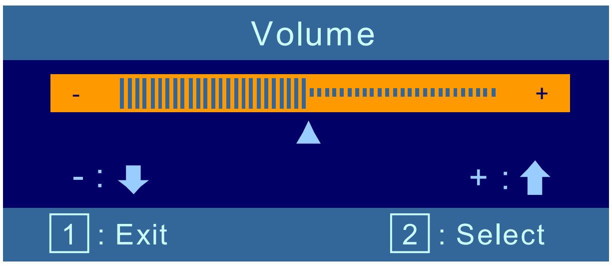
Brightness adjusts background black level of screen image.
[▲] increase brightness, [▼] decrease brightness.



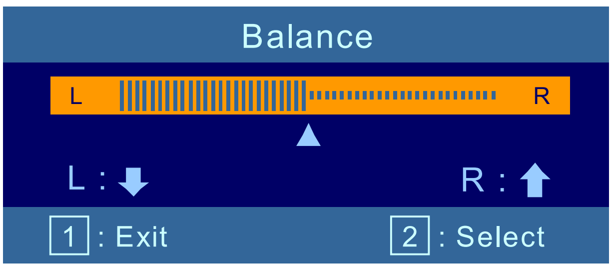
Audio press [▼] or [▲] button to scroll desired menu option.
Press [2] button to select submenu option.



Volume [▼] decrease the volume, [▲] increases the volume,



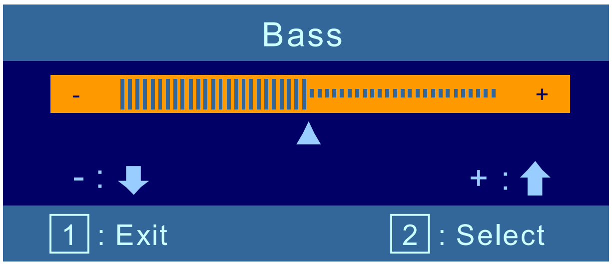
Balance adjusts the proportion of sound coming from each speaker.
[▼] directs more of the sound to the left speaker, [▲] directs more of the sound to the right speaker.



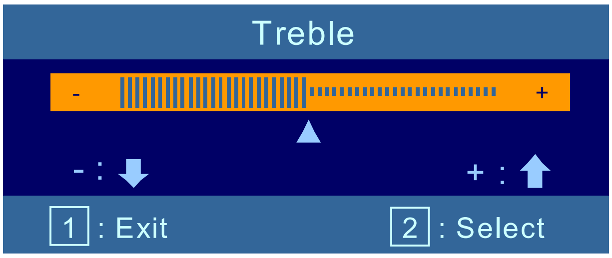
Bass/Treble adjusts the high (treble) and low (bass) frequency audio output

Press [2] button to select Bass or Treble adjustment.

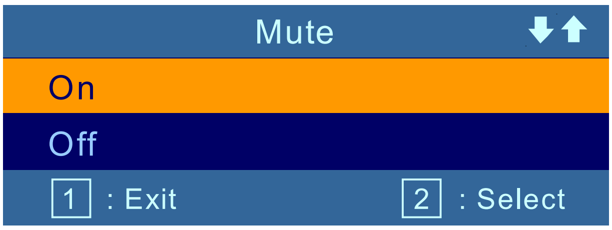
Bass press [▼] or [▲] to adjust bass.



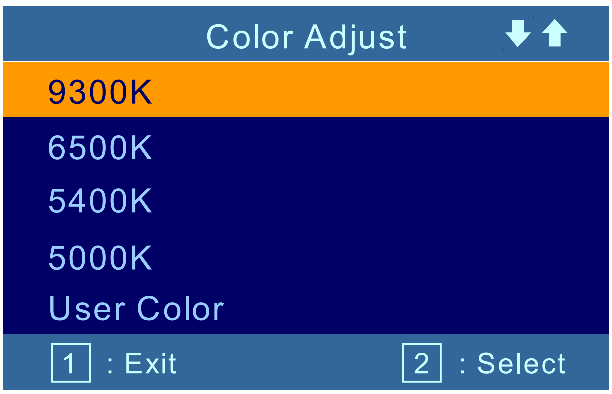
Treble press [▼] or [▲] to adjust treble



Mute



<u>Color Adjust</u>



Color Adust provides four preset color adjustment: *9300K, 6500K, 5400K, 5000K* for improved brightness and color saturation. Press button [2] to select the preset color. Press button [▼] or [▲] to

fine tune the color response.

9300K—Adds blue to screen image for cooler white (used in most office settings with fluorescent lighting).

6500K—Adds red to screen image for warmer white and richer red.

5400K—Adds green to screen image for a darker color.

5000K—Adds blue and green to screen image for a darker color.

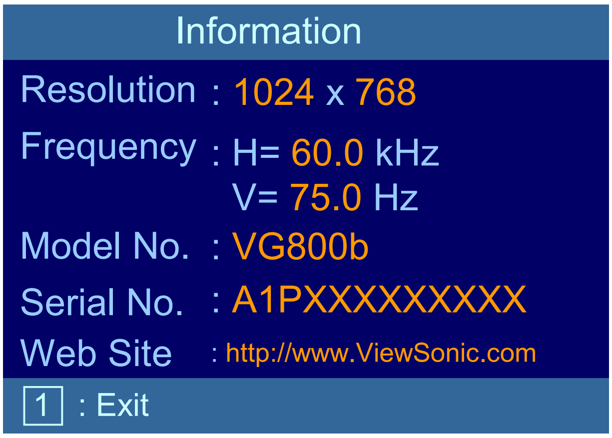
User color—Individual adjustments for red (R), green (G), blue(B).

1 To adjust selected color, press [▼] or [▲].

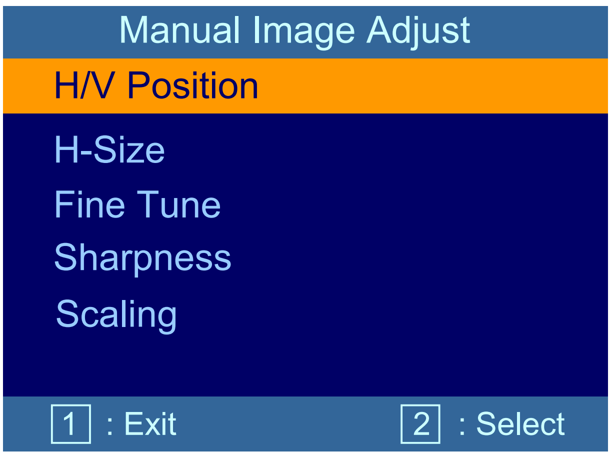
2 Press button [2] to set adjustment and select next color to adjust.



Information



Manual Image Adjust

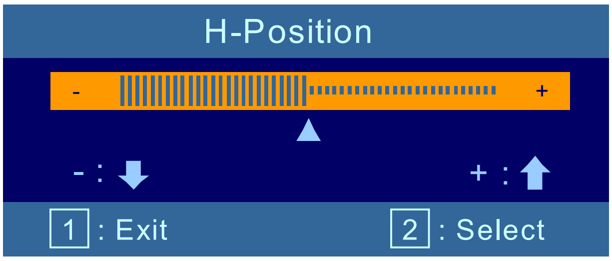


H/V Position Press the [2] button to select H-Position or V-Position.

H-Position moves screen image left or right.

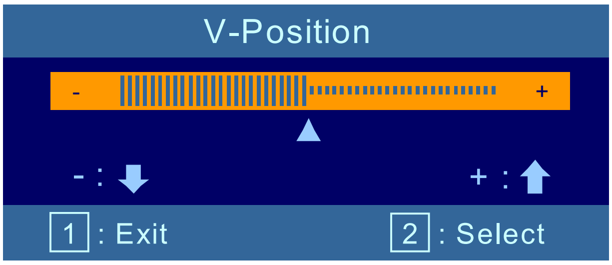
[▼] move screen image to *left*, [▲] moves screen image to *right*.

Press the [2] button to toggle between H. or V. Position.

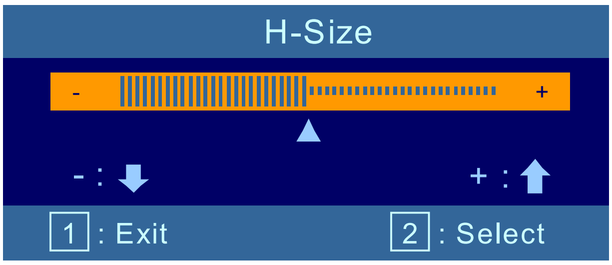


V-Position moves screen image up or down.

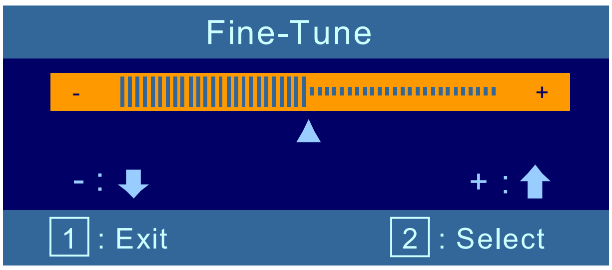
[▼] move screen image *down*, [▲] moves screen image *up*.



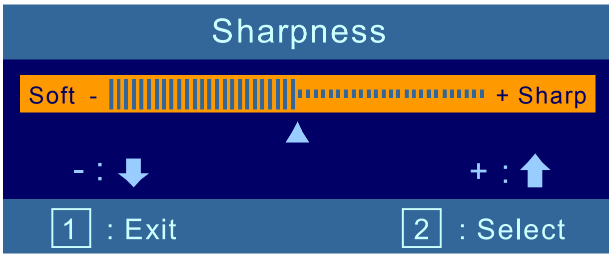
H-Size adjusts the width of screen image. [▼] decreases Width of screen image, [▲] increases width of image.



Fine-Tune



Sharpness adjusts the clarity of a non-SXGA (1280 x 1024) RGB signal Press [▼] or [▲] to adjust.

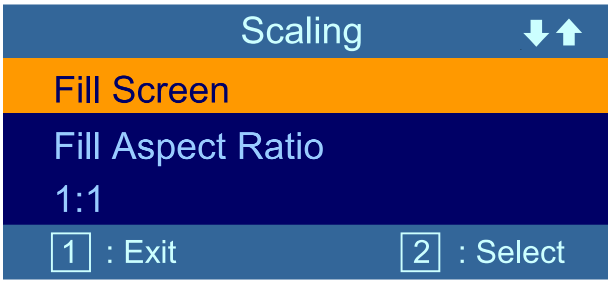


Scaling adjusts the video input signal to the screen size using the following options. Press [▼] or [▲] to select from the following options:

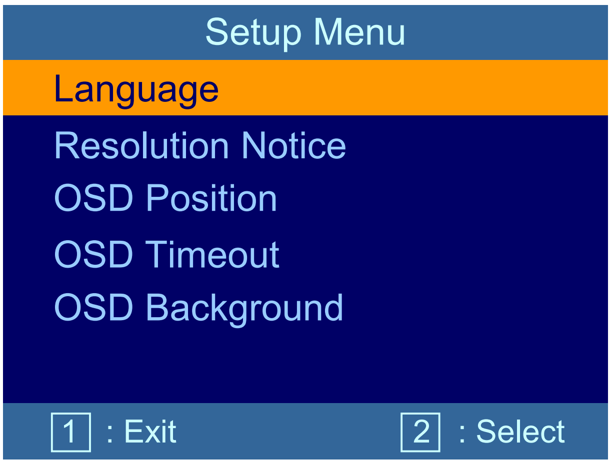
Fill all adjusts the video signal to fill the screen.

Fill Aspect Ratio maintains the correct video signal proportions for different resolutions.

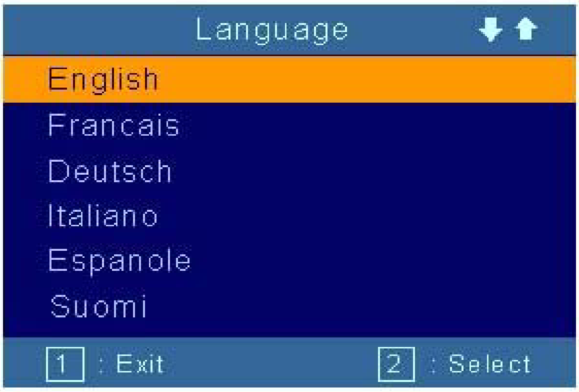
1:1 adjusts the video signal so that the height and width of the picture are the same.



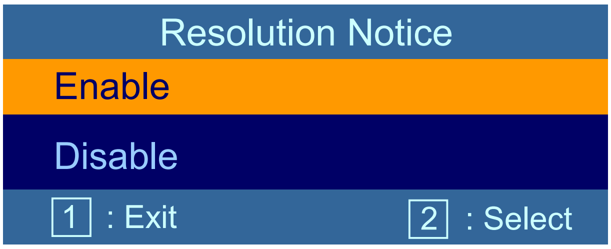
Setup Menu



Language Select allows the user to choose from available languages.

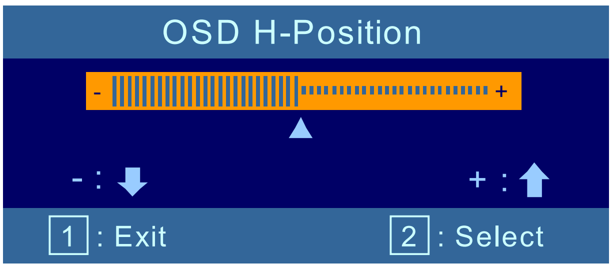


Resolution Notice press the [▼] or [▲] button to select the Enable or Disable the Resolution Notice.

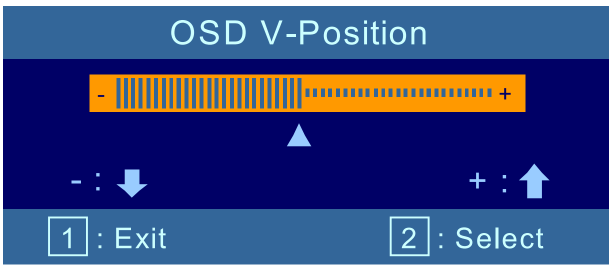


<u>**OSD Position**</u> press the [2] button to select the OSD H-Position or OSD V-Position.

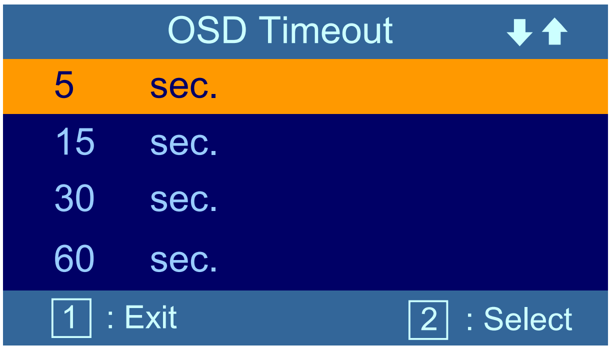
OSD H-Position [▼] moves OSD left, [▲] moves the OSD right.



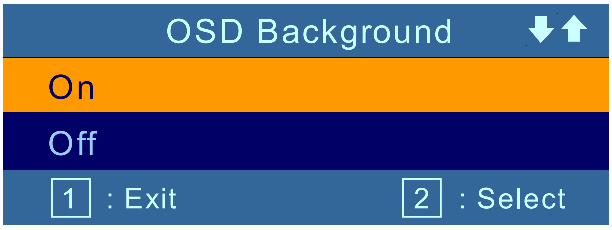
OSD V-Position [▼] moves OSD down, [▲] moves the OSD up.



OSD Timeout sets the length of time the OnScreen Display screen is displayed before exiting.



OSD Background



<u>Memory Recall</u>

Returns the adjustments back to factory settings (only if the display is operating in a factory preset mode).

Press the [2] button to select the Memory Recall menu option.

<u>Note:</u>

OSD Controls

Auto Image Adjust*, Contrast/Brightness, Input Select, Color Adjust [9300K, 6500K(default), 5400, 5000, R, G, B], Information [Mode, Model Number, Serial Number], Manual Image Adjust [H. Size*, H. Position*, V. Position*, Fine Tune*, Sharpness, Scaling], Setup Menu [Language, Resolution Notice, OSD Position, OSD Timeout, OSD Background], Memory Recall *** These functions are not available in Digital Mode.** **Memory Recall is to recall the following functions to factory setting:** Contrast, Brightness, H Size, H/V Position, Color Temperature @ 6500K, OSD Position, Sharpness, & OSD Timeout.

OSD Auto Save

The OSD shall save new settings when it is turned off by the user or when it times out. There shall not be a separate save.

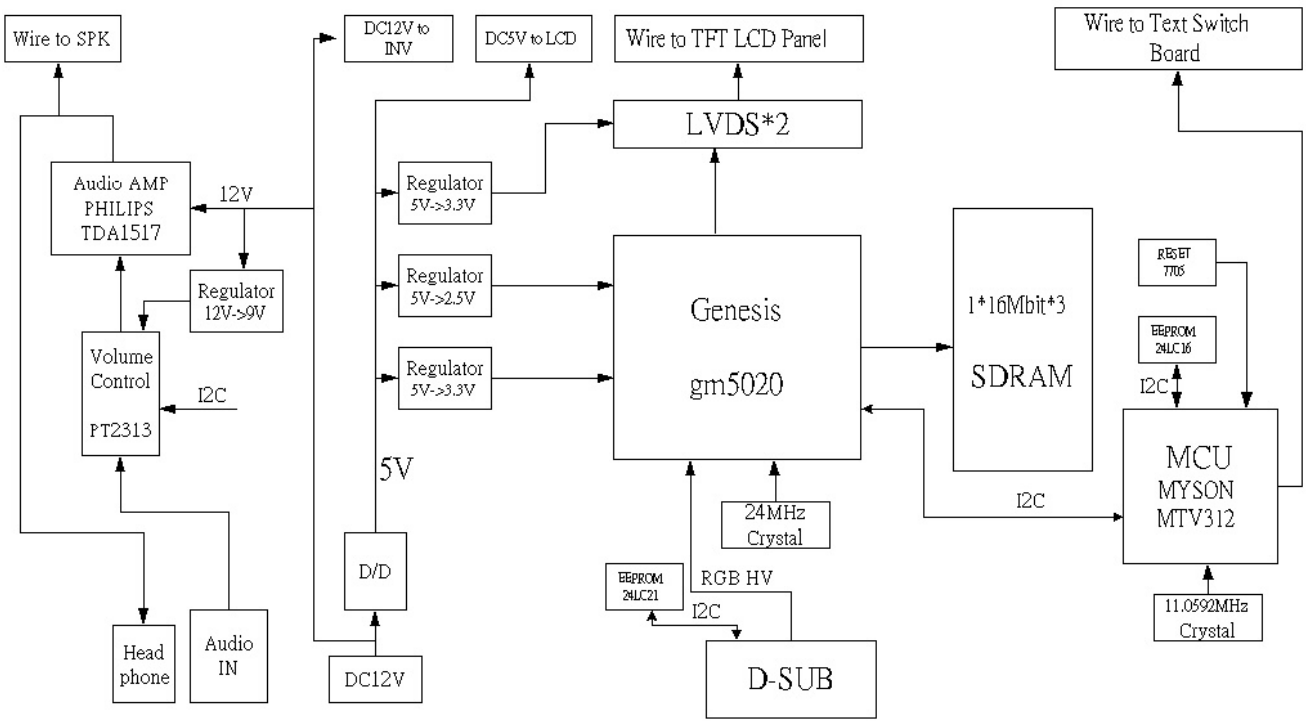
3.CIRCUIT DESCRIPTION

Contents

Circuit Description

*. Function Block

VG800b Block Diagram



A. Interface

1. Power Supply (DC/DC Converter)

ICM1 is a current mode switching regulator controller that drives an external N-channel power MOSFET (ICM2) using a fixed frequency architecture (200KHz). It converts a 12V DC input voltage into regulated and stable output voltage of 5V.

Pin2 (ITH / RUN) provide a soft start point and run control inputs. During normal operation the voltage on the ITH / RUN pin will vary from 1.19V to 2.4V depending on the load current. Pulling the ITH / RUN pin up 0.8V(using CM5 and RM2) allows the ICM1 to begin operation.

Pin7 (Boost) supply to the topside Floating Drivers. The bootstrap capacitor (CM8) is

returned to this pin.

Pin5 (SW) are switch node connections to inductors. In step-down applications the voltage swing at this pin from a schottky diode (DM1) drops below ground to VIN.

Pin6 (TG) is the output of a floating drive for top N-channel MOSFET (ICM2).This is the output of a floating drive with a voltage swing equal to $INTV_{CC}$ superimposed on the switch node voltage SW.

Pin1 (SENSE1 -) connect to the (-) input for the current comparator.

Pin3 (V_{FB}) receives the feedback voltage from an external resistive divider (RM5 and CM19) across the output.

2. Micro-Controller

ICM10 is a 8051 embedded monitor controller (MTV312M64). It plays a major role in the digital control of the LCD monitor. ICM10 acts as a Key control , DPMS power saving control, auto-detect controller, and controller of ICM11 to do image processing.

Pin 1 control Inverter enable or disable
Pin 2 enable vcc for panel
Pin3 send a HI signal when audio is invalid
send a LOW signal when audio is valid
pin7 receive HI signal from ICM8 pin6 to reset
pin9,16,26,27,,30,31,32,33 make key function operate when press key button (receive LOW signal from key button.)
pin13,14 communicate with ICM9(EEPROM) by I^2C
pin17,18,20,21,22,23 communicate with ICM11(scaler) by 6-wire protocol
pin19 detect audio in
pin28 ,29 do ISP(in-system program)
pin34 do mode detect (noramal is LOW , ISP is HI)
Pin 35 control the brightness of panel
Pin36,37 control LED (orange and green) on /off
Pin38 control audio board 12V on/off
Pin40 control Buzzer on/off
Pin41 control ICM3 (regulator)on/off
Pin42 control ICM15,16(LVDS Transmitter) on/off.

3. Image Processor

ICM11(gm5020) is an all-in-one image processor for displays with a dual (analog and digital)interface supporting resolutions up to SXGA. It provides integrated ADC/PLL and a DVI compliant TMDS receiver,a high quality zoom and shrink scaling engine,frame rate conversion,an on-screen display(OSD) controller,a microprocessor and many other functions in a single device. This high level of integration enables simple ,flexible, cost effective solutions with fewer required components. .

The gm5020 chip has three ADC's (analog-to-digital converters), one for each color (red, green, and blue) and supports digital separate sync (HSYNC/VSYNC), digital composite sync,and analog composite sync (also known as sync-on-green, or SOG). All sync types are supported without the need for external sync separation / extraction circuits.

The gm5020 features four clock inputs. All additional clocks are internal clocks derived from one or more of these four, using Direct Digital Synthesis (DDS).

TCLK is generated using an external crystal (recommended) or an external clock oscillator.

(1) Input Clock (TCLK). The external connection to the oscillator is via the TCLK and XTAL pads. A 14.3MHz crystal source is recommended, as internal PLL and logic circuits derive the required clock frequencies from this single source by default. Other crystal frequencies may be used , but require custom bootstrapping and programming. In lieu of using a crystal oscillator, XTAL can be driven by a single-ended TTL/CMOS input clock (e.g. for testing of the IC) – the TCLK pin should be grounded through a 2.7k pulldown resistor to maintain the correct duty cycle for the clock.

(2) TMDS Differential Input Clock (RC+ and RC-)

(3) Video Clock (VCLK) input pin

(4) Host Interface Transfer Clock (HCLK for 6-Wire nibble; SCL for 2-wire serial)

The gm5020 has an Input Format Measurement block (the IFM) providing the capability of measuring the horizontal and vertical timing parameters of the input video source. This information may be used to determine the video format and to detect a change in the input format. It is also capable of detecting the field type of interlaced formats.

The IFM features a host programmable reset, separate from the regular gm5020 soft reset. This reset disables the IFM, reducing power consumption. The IFM is capable of operating while gm5020 is running in power down mode.

Horizontal measurements are measured in terms of the selected IFM_CLK (either T_CLK or R_CLK/4), while vertical measurements are measured in terms of HSYNC pulses.

The external frame buffer provides the storage required for the frame rate conversion process and the integrated OSD. The gm5020 is able to operate with 16Mbit or 64Mbit Synchronous DRAM (SDRAM) devices and/or 16Mbit or 32Mbit Synchronous Graphics RAM (SGRAM) devices. The FRC data bus width is programmable to 32 or 48-bits. Generally, 32 bits is sufficient for XGA and 48 bits is sufficient for SXGA.

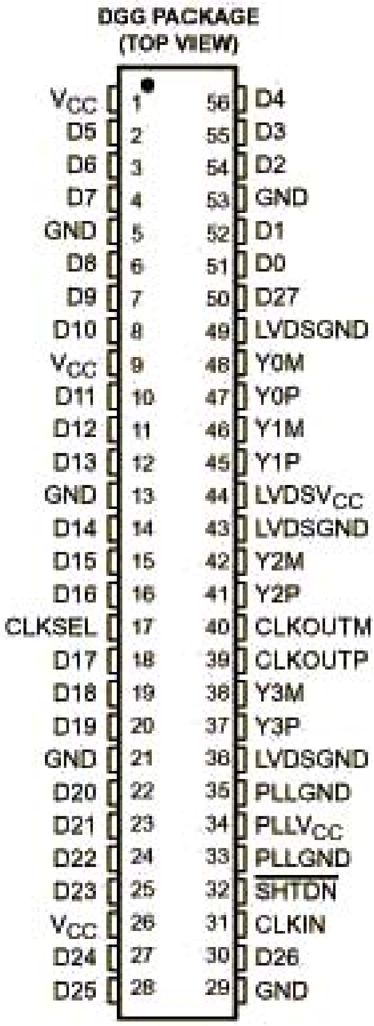
The gm5020 OSD controller supports both character-mapped and bitmapped modes. A user programmable palette of 256 true colors (255 colors, + 1 transparent) is available.
In character mapped mode, a maximum of four colors per character are available.
In 8-bit bitmapped mode, any pixel can be assigned any one of 256 user-defined true colors.
In 4-bit bitmapped mode, any pixel can be assigned any one of 16 user-defined true colors (15 colors plus one transparent).

The gm5020 incorporates an embedded microprocessor, or OCM (On-Chip Microprocessor).This processor is intended to simplify the gm5020 system software implementation by providing embedded macro functions such as OSD menu configurations. It is not intended to replace the system microprocessor.

An arbitration mechanism handles the register access requests from the OCM and the system.micro.

4. LVDS Transmitter

ICM15,16 (SN75LVDS83) FlatLink transmitter contains four 7-bit parallel-load serial-out shift registers,a 7 clock synthesizer, and five low-voltage differential-signaling (LVDS) line drivers in a single integrated circuit. These functions allow 28 bits of single-ended low-voltage TTL (LVTTL) data to be synchronously transmitted over five balanced-pair conductors for receipt by a compatible receiver,



When transmitting, data bits D0 through D27 are each loaded into registers upon the edge of the input clock signal (CLKIN). The rising or falling edge of the clock can be selected by way of the clock select (CLKSEL) terminal. The frequency of CLKIN is multiplied seven times (7) and then used to unload the data registers in 7-bit slices and serially. The four serial streams and a phase-locked clock (CLKOUT) are then output to LVDS output drivers. The frequency of CLKOUT is the same as the input clock, CLKIN.

The SN75LVDS83 requires no external components and little or no control. The data bus appears the same at the input to the transmitter and output of the receiver with the data transmission transparent to the user. The only user intervention is the possible use of the shutdown/clear (SHTDN) active-low input to inhibit the clock and shut off the LVDS output drivers for lower power consumption. A low-level signal on SHTDN clears all internal registers to a low level.

5. DDC 2 B

ICM6 & ICM7 (24LC21A) can continuously transmit its extended identification, “EDID” using DDC1 communication channel. In addition, the monitor can respond to a requests for EDID, or complete VDIF, to be transmitted using DDC2, level B commands. Pin6 SCL is clock input for DDC 2B, pin5 SDA for data input, and pin7 VCLK is clock input for DDC1.

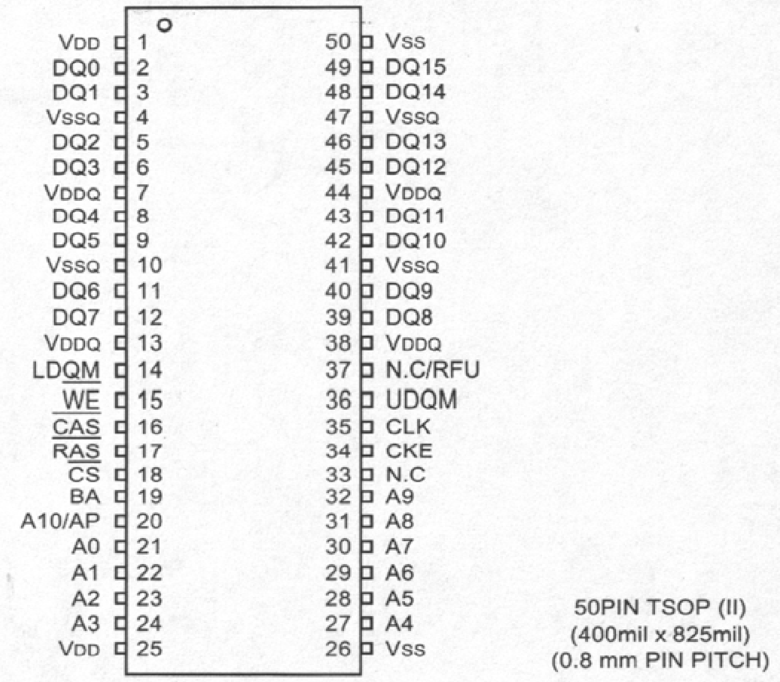
In DDC1 data transfer (UNI-directional mode), the VCLK input pin is used as an input clock for data transmission and SDA output pin is used as serial data line the SCL pin will hold high. The DDC2B node (BI-directional mode) BUS consists of two wires. SCL is for the data transmission clock and SDA is for the data line.

6. Synchronous DRAM

ICM12,13,14(K4S161622D) is 16,777,216 bits synchronous high data rate Dynamic RAM organized as 2 x 524,288 words by 16 bits, Synchronous design allows precise cycle control with the use of system clock I/O transactions are possible on every clock cycle. Range of operating frequencies, programmable burst length and programmable latencies allow the same device to be useful for a variety of high bandwidth, high performance memory

PIN DESCRIPTION:

PIN CONFIGURATION (TOP VIEW)



PIN FUNCTION DESCRIPTION:

Pin	Name	Input Function
CLK	*System Clock*	Active on the positive going edge to sample all inputs.
$\overline{CS}$	*Chip Select*	Disables or enables device operation by masking or enabling all inputs except CLK, CKE and L(U)DQM
CKE	*Clock Enable*	Masks system clock to freeze operation from the next clock cycle. CKE should be enabled at least one cycle prior to new command. Disable input buffers for power down in standby.
A_0 ~ A_{10}/AP	*Address*	Row / column addresses are multiplexed on the same pins. Row address : RA_0 ~ RA_{10}, column address : CA_0 ~ CA_7
BA	*Bank Select Address*	Selects bank to be activated during row address latch time. Selects bank for read/write during column address latch time.
$\overline{RAS}$	*Row Address Strobe*	Latches row addresses on the positive going edge of the CLK with $\overline{RAS}$ low. Enables row access & precharge.
$\overline{CAS}$	*Column Address Strobe*	Latches column addresses on the positive going edge of the CLK with $\overline{CAS}$ low. Enables column access.
$\overline{WE}$	*Write Enable*	Enables write operation and row precharge. Latches data in starting from $\overline{CAS}$, $\overline{WE}$ active.
L(U)DQM	*Data Input/Output Mask*	Makes data output Hi-Z, t_{SHZ} after the clock and masks the output. Blocks data input when L(U)DQM active.
DQ_0 ~ 15	*Data Input/Output*	Data inputs/outputs are multiplexed on the same pins.
V_{DD}/V_{SS}	*Power Supply/Ground*	Power and ground for the input buffers and the core logic.
V_{DDQ}/V_{SSQ}	*Data Output Power/Ground*	Isolated power supply and ground for the output buffers to provide improved noise immunity.
N.C/RFU	*No Connection/ Reserved for Future Use*	This pin is recommended to be left No Connection on the device.

B. Audio Board

1. Audio processor

ICA2 (PT2313L) is a four-channel digital audio processor utilizing CMOS Technology .Volume , Bass , Treble , Balance , Front/Rear Fader Processor are incorporated into a single chip . Loudness function and Selectable input gain are also provided to build a highly effective electronic Audio processor having the highest performance and reliability with the Least external components . and all functions are programable using the IIC BUS

PIN#	PIN NAME	I/O	DESCRIPTION
1	REF	-	Analog reference voltage(1/2 VDD)
2	VDD	-	Supply input voltage
3	Agnd	-	Analog ground
4	Treb_L	I	Left channel input for treble control
5	Treb_R	I	Right channel input for treble control
6	RIN	I	Audio processor right channel input
7	Rout	O	Gain output&input selector for right channel
8	Loud_R	I	Right channel loudness input
9	Rin 3	I	Right channel input 3
10	Rin 2	I	Right channel input 2
11	Rin 1	I	Right channel input 1
12	Loud_L	I	Left channel loudness input
13	Lin 3	I	Light channel input 3
14	Lin 2	I	Light channel input 2
15	Lin 1	I	Light channel input 1
16	LIN	I	Audio processor left channel input
17	Lout	O	Gain output&input selector for left channel
18	Bin _L	I	Left bass controller input channel
19	Bout _L	O	Left bass controller output channel
20	Bin _R	I	Right bass controller input channel
21	Bout _R	O	Right bass controller output channel
22	RRout	O	Right rear speaker output
23	LRout	O	Left rear speaker output
24	RFout	O	Right front speaker output
25	LFout	O	Left front speaker output
26	Dgnd	-	Digital ground
27	Date	I	IIC Date
28	Clk	I	IIC Clk

ICA1 control & regulate the voltage (12Vto9V)to the ICA2

Volume signal through ICA2 pin24(right)pin25(left) into audio amplifier ICA3

2. Audio amplifier:

ICA3(TDA1517) is an integrated class-B dual output amplifier , It contains two identical amplifier differential input stages . the gain Of each amplifier is fixed at 20 dB .

Pins 1 and 9 are right and left channel inputs respectively. Pins 4 and 6 are right and left channel outputs which connect to two 4 OHM speakers.

Pin 8 is the mute/stand-by

Pin 7 is the voltage input for ICA1

Troubleshooting Flow Chart

A1. Figure of Waveform

FIG 1. 12V

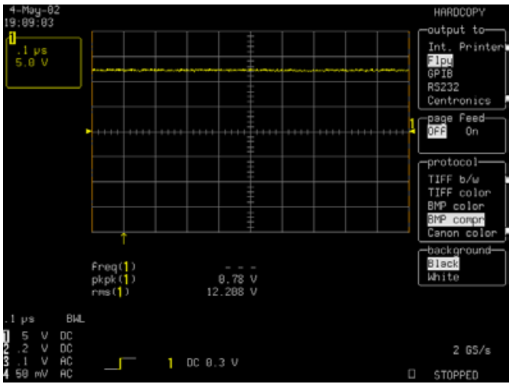


FIG 2. 5V

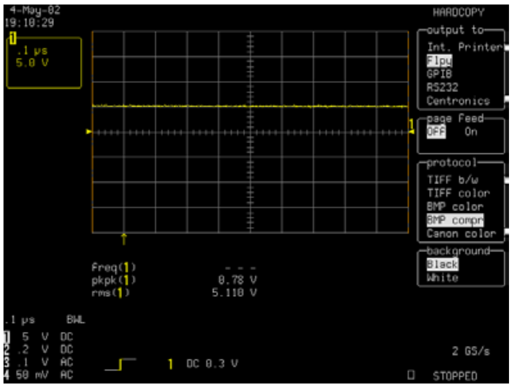


FIG 3. 3.3V

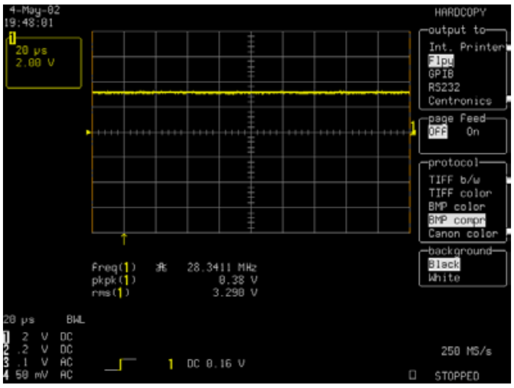


FIG 4. 2.5V

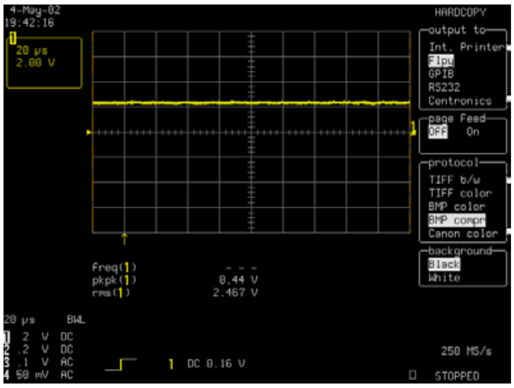


FIG 5. 32 GRAY SIGNAL INPUT

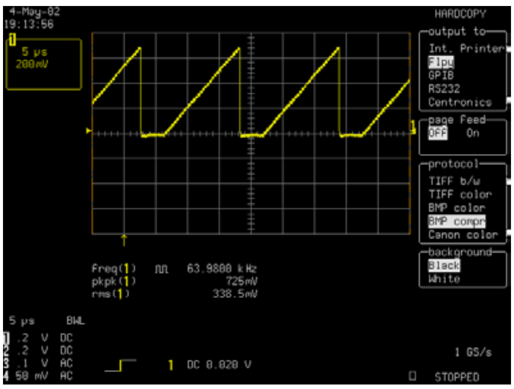


FIG 6. H-SYNC

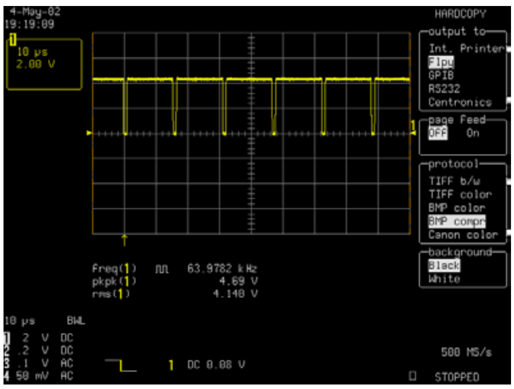


FIG 7. V-SYNC

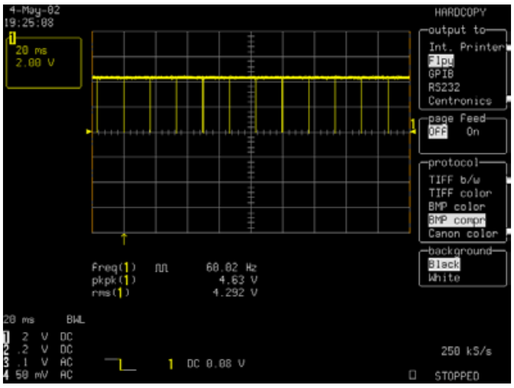


FIG 8. 24M CLOCK

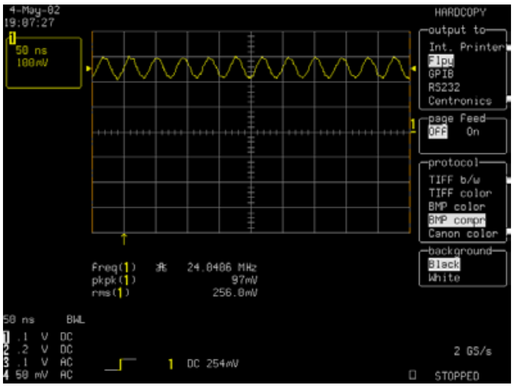


FIG 9. MEMORY CLOCK

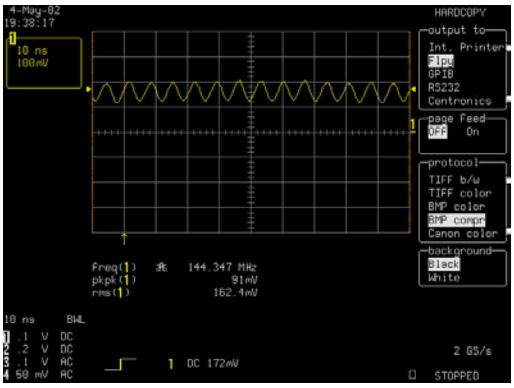


FIG 10. DISPLAY CLOCK

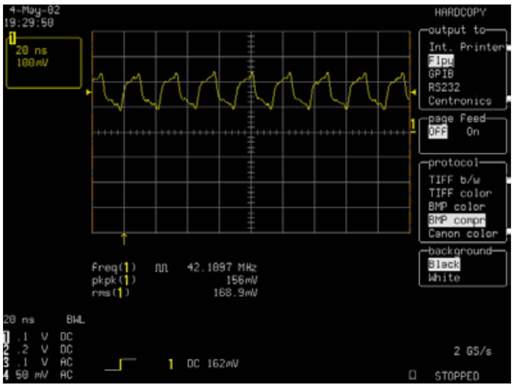


FIG 11. DISPLAY H-SYNC

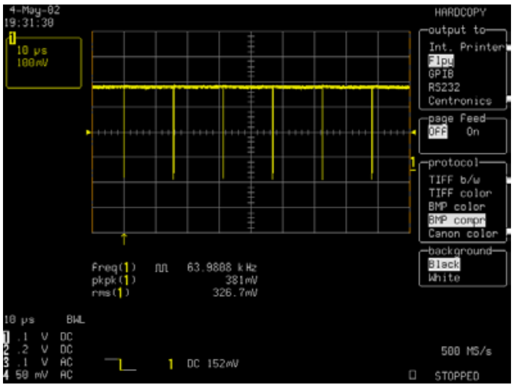


FIG 12. DISPLAY V-SYNC

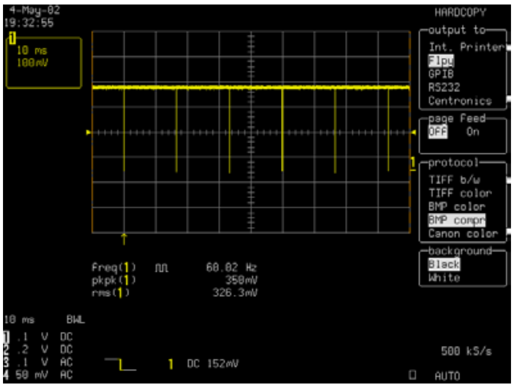


FIG 13. DISPLAY ENABLE

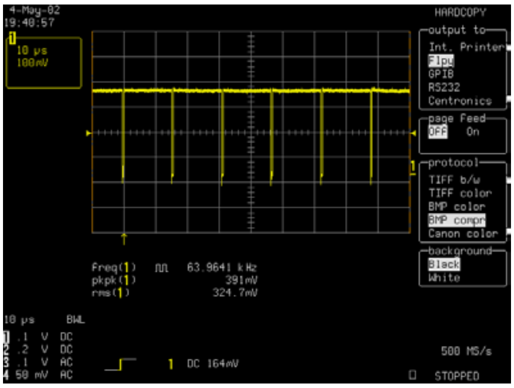


FIG 14. MCU CLOCK

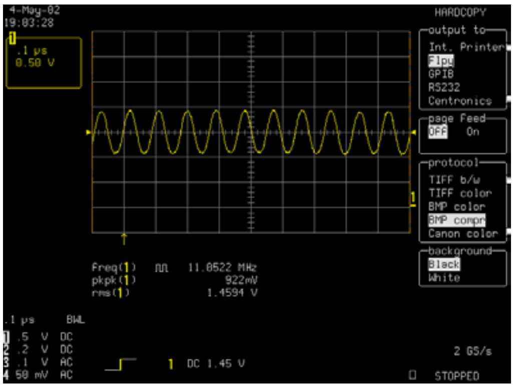


FIG 15. LVDS TX0+

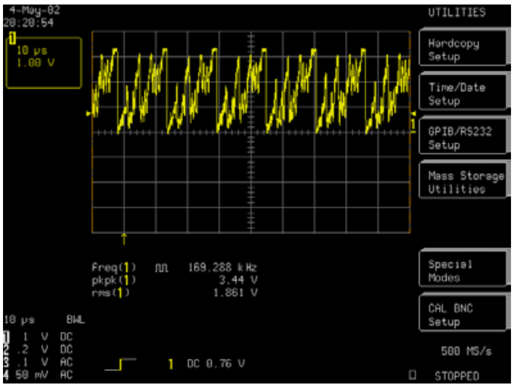


FIG 16. LVDS TX0-

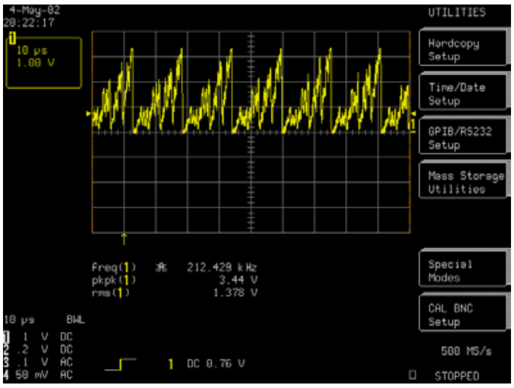


FIG 17. LVDS CLOCK+

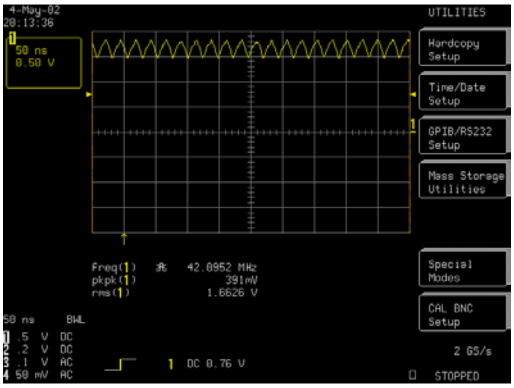


FIG 18. LVDS CLOCK-

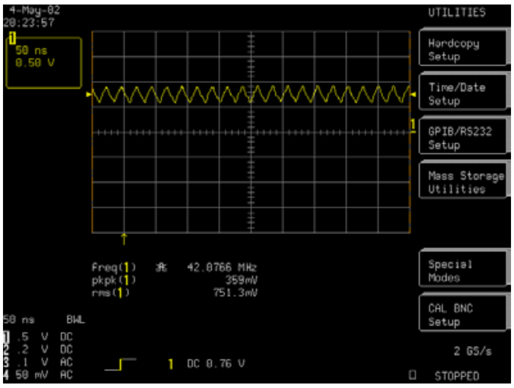


FIG 19. AUDIO SINE SIGNAL IN

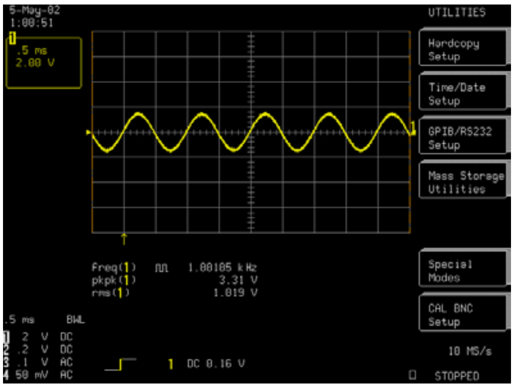
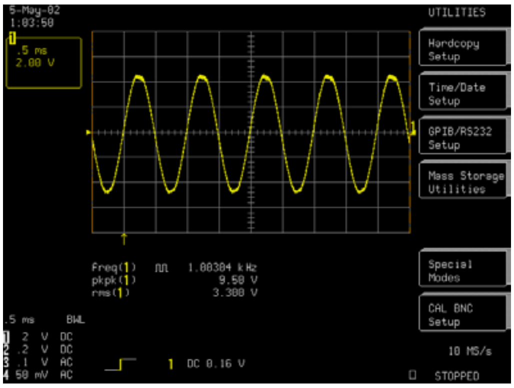
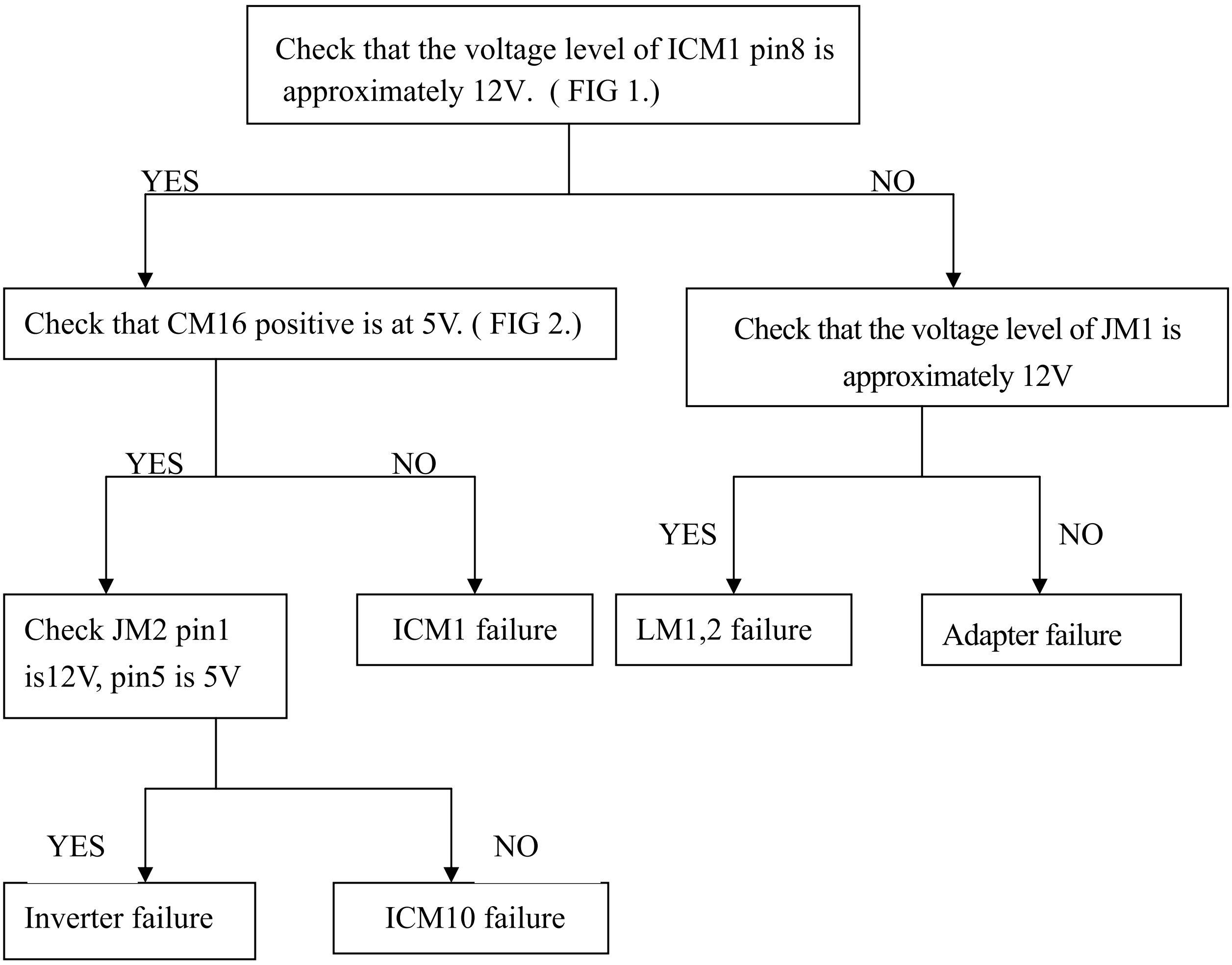


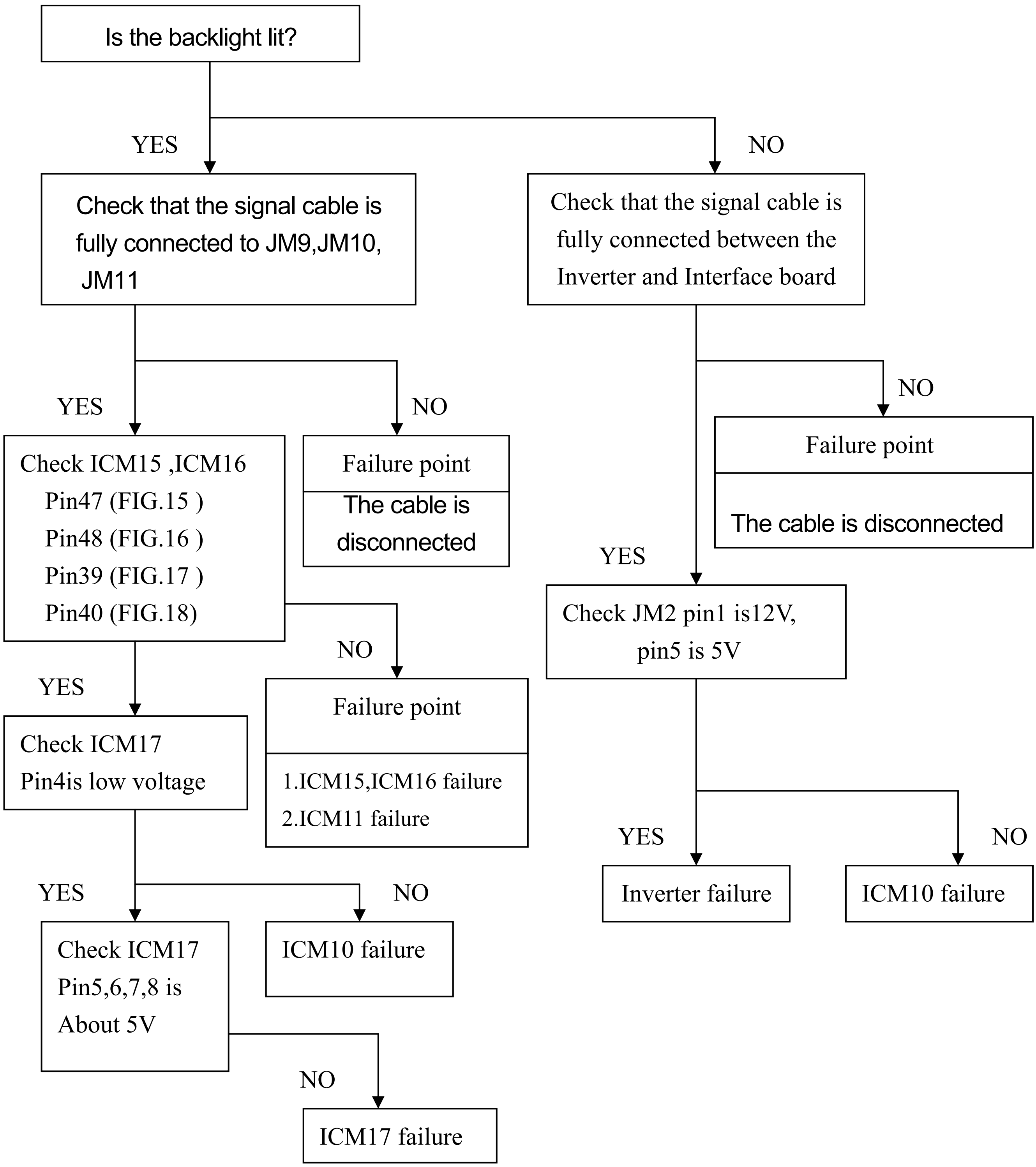
FIG 20. AUDIO SINE SIGNAL OUT



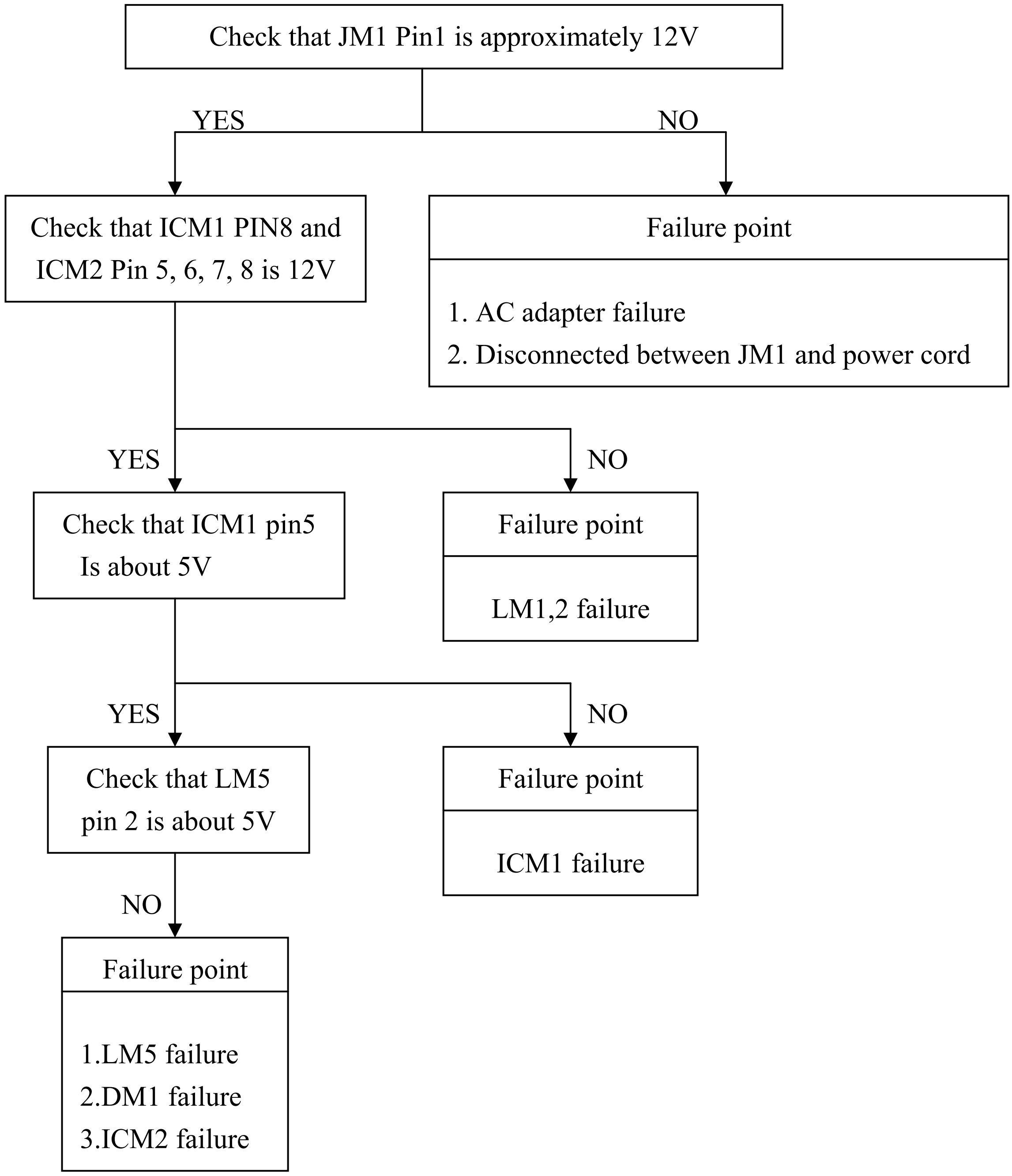
A2. No Display on Screen (Screen is black, LED is off)



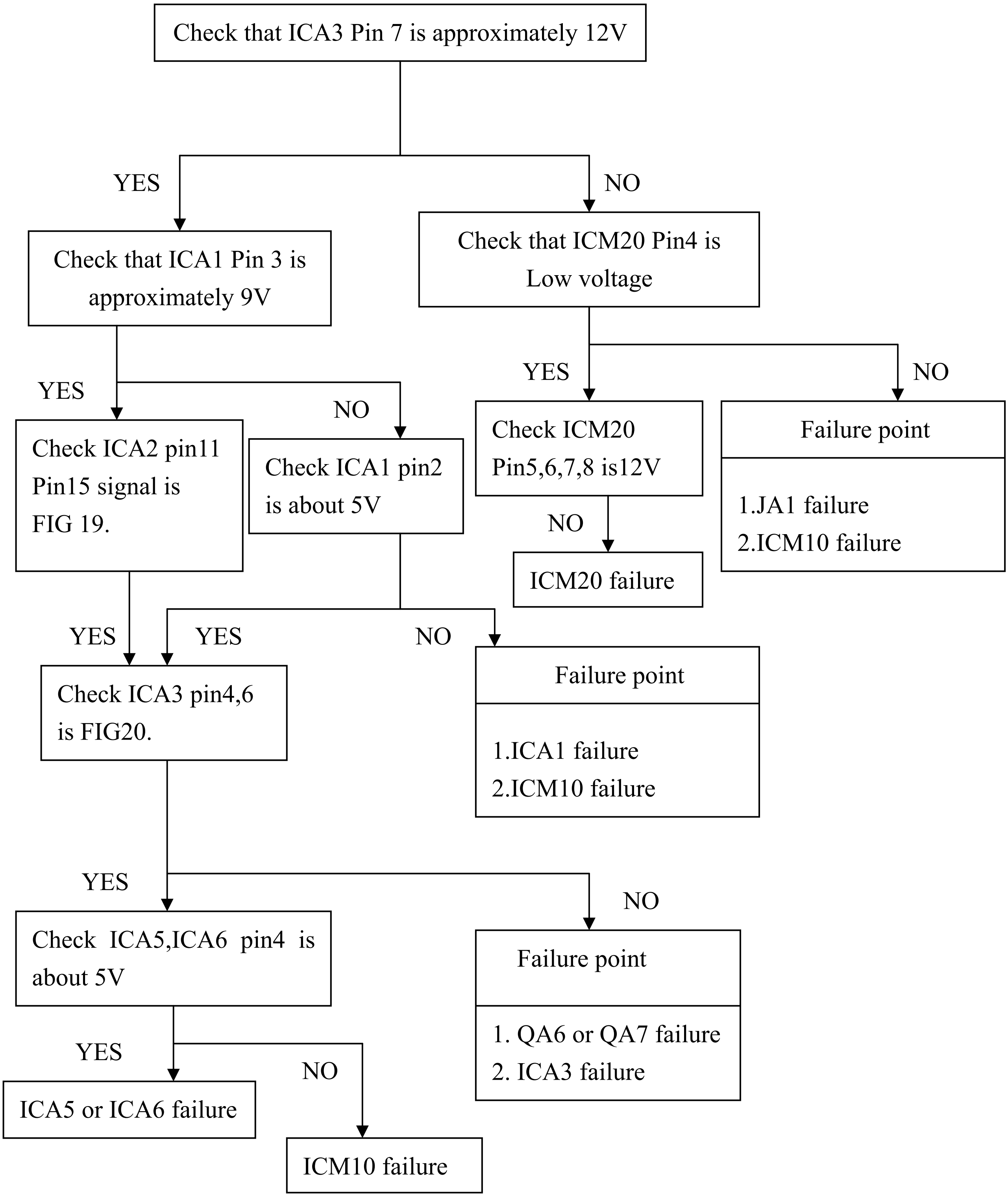
A3. No Display on Screen (LED is green)



A4. No Power On

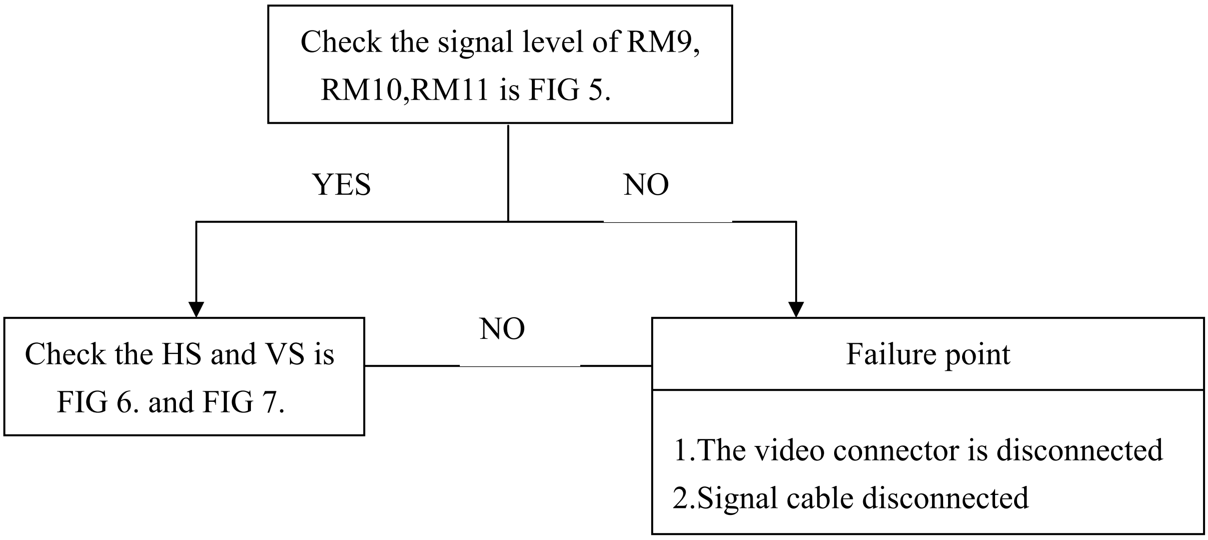


A5. No Sound (Test signal: 1 Vrms sine waveform)

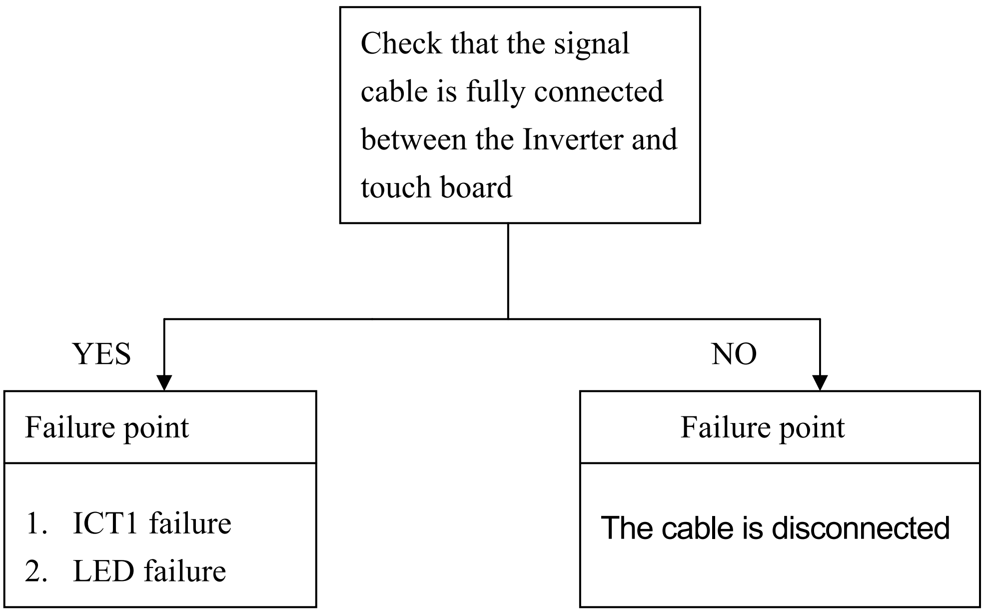


A6. Show "No Signal" on screen

(Test pattern: 32 gray 1280X1024 60HZ)



A7. Keypad can not work



4. ADJUSTMENT

CONTENTS

1. Preparation of manual alignment.

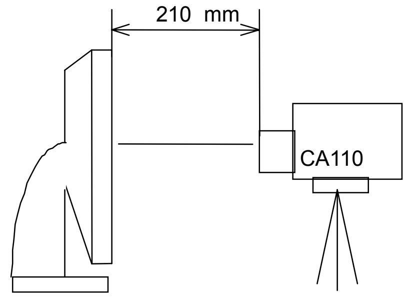
1.1 The alignment procedure is performed after unit has been completely assembled and before set inspection.

1.2 Before set been aligned, set should be burned in for over 30min.

1.3 Measuring equipment used.

Pre-Programmed Chroma 2226 or equivalent products.

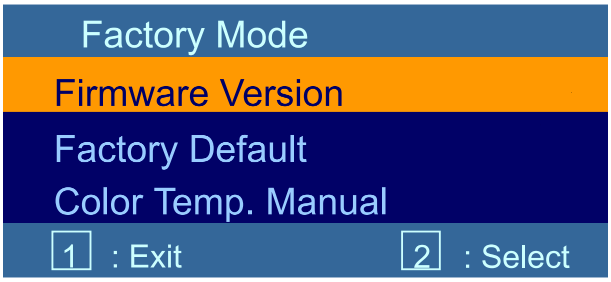
Color Meter-- Minolta CA110 or equivalent products.



1.4 Method to enter/exit factory mode.

1.4.1 Press “VOL+” and “1” and “DOWN” key simultaneously 3 times when set are power on and display image.

1.4.2 To ensure the monitor is under factory mode, check following OSD image display on the screen to ensure monitor is under factory mode.

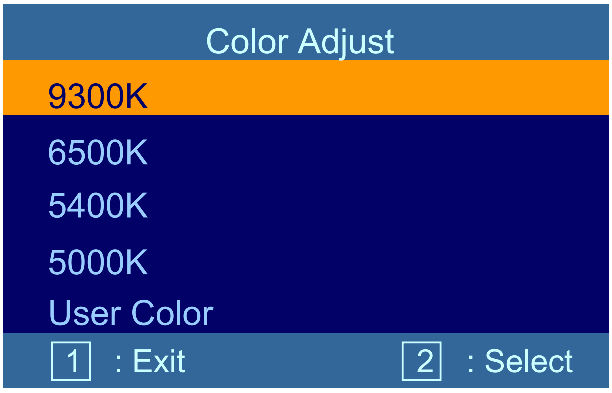


Otherwise, follow the procedure described in session 1.4.1 to enter the factory mode again.

1.4.3 Under factory mode, press “1” key. The monitor will exit factory mode and enter normal operation.

1.5 Method to enter/exit manual color alignment menu.

Under factory mode, select color temp manual. Item on factory OSD menu. It will display the following color temperature adjust menu.



Use "UP" and "DOWN" to move cursor between items "9300", "6500", "5400" AND "5000".

Press "2" to select which color temperature to be adjusted. It will show following menu.

Use "2" key to switch R, G, B driver. "UP" or 'DOWN" key to adjust the R, G, B value corresponding to the selected item.



2. Color temperature alignment

Before manual adjust color temperature, set OSD contrast 80%, brightness 100 %(factory default), enter into factory mode and select "COLOR TEMP. MANUAL" item.

2.1 9300°K alignment

2.1.1 Use "UP" or "DOWN" key to move cursor to 9300 color temperature. Then press "2" key to select 9300 color temperature adjustment.

2.1.2 Use "2" to move cursor to R-Driver or G-Driver or B-Driver and then press "UP" or "DOWN" key to adjust it to meet following Chromaticity SPEC.

9300°K → x = 0.283±0.030, y = 0.298±0.030 Y>= 160CD/M^2.

2.1.3 Press "1" to exit 9300 color temperature adjustment and do another color

temperature adjustment. When exit factory mode OSD menu, the above result R, G, B gains will automatically be saved.

2.2 6500°K alignment.

2.2.1 Use “UP” or “DOWN” key to move cursor to 6500 color temperature. Then press “2” key to select 6500 color temperature adjustment.

2.2.2 Use “2” to move cursor to R-Driver or G-Driver or B-Driver and then press “UP” or “DOWN” key to adjust it to meet following Chromaticity SPEC.
6500°K →x = 0.313±0.030, y = 0.329±0.030 Y>= 190CD/M^2.

2.2.3 Press “1” to exit 6500 color temperature adjustment and do another color temperature adjustment. When exit factory mode OSD menu, the above result R, G, B gains will automatically be saved.

2.3 5400°K alignment.

2.3.1 Use “UP” or “DOWN” key to move cursor to 5400 color temperature. Then press “2” key to select 5400 color temperature adjustment.

2.3.2 Use “2” to move cursor to R-Driver or G-Driver or B-Driver and then press “UP” or “DOWN” key to adjust it to meet following Chromaticity SPEC.
5400°K →x = 0.332±0.030, y = 0.348±0.030 Y>= 190CD/M^2.

2.3.3 Press “1” to exit 5400 color temperature adjustment and do another color temperature adjustment. When exit factory mode OSD menu, the above result R, G, B gains will automatically be saved.

2.4 5000°K alignment

2.4.1 Use “UP” or “DOWN” key to move cursor to 5000 color temperature. Then press “2” key to select 5000 color temperature adjustment.

2.4.2 Use “2” to move cursor to R-Driver or G-Driver or B-Driver and then press “UP” or “DOWN” key to adjust it to meet following Chromaticity SPEC.

5000°K →x = 0.346±0.030, y = 0.359±0.030 Y>= 190CD/M^2.

2.4.3 Press “1” to exit 5000 color temperature adjustment and do another color temperature adjustment. When exit factory mode OSD menu, the above result R, G, B gains will automatically be saved.

3. Factory preset setting.

3.1 In factory mode OSD main menu, select factory default setting. Press “2” to confirm the selection.

4. Download serial number procedure.

4.1 Plug adapter in ac source.

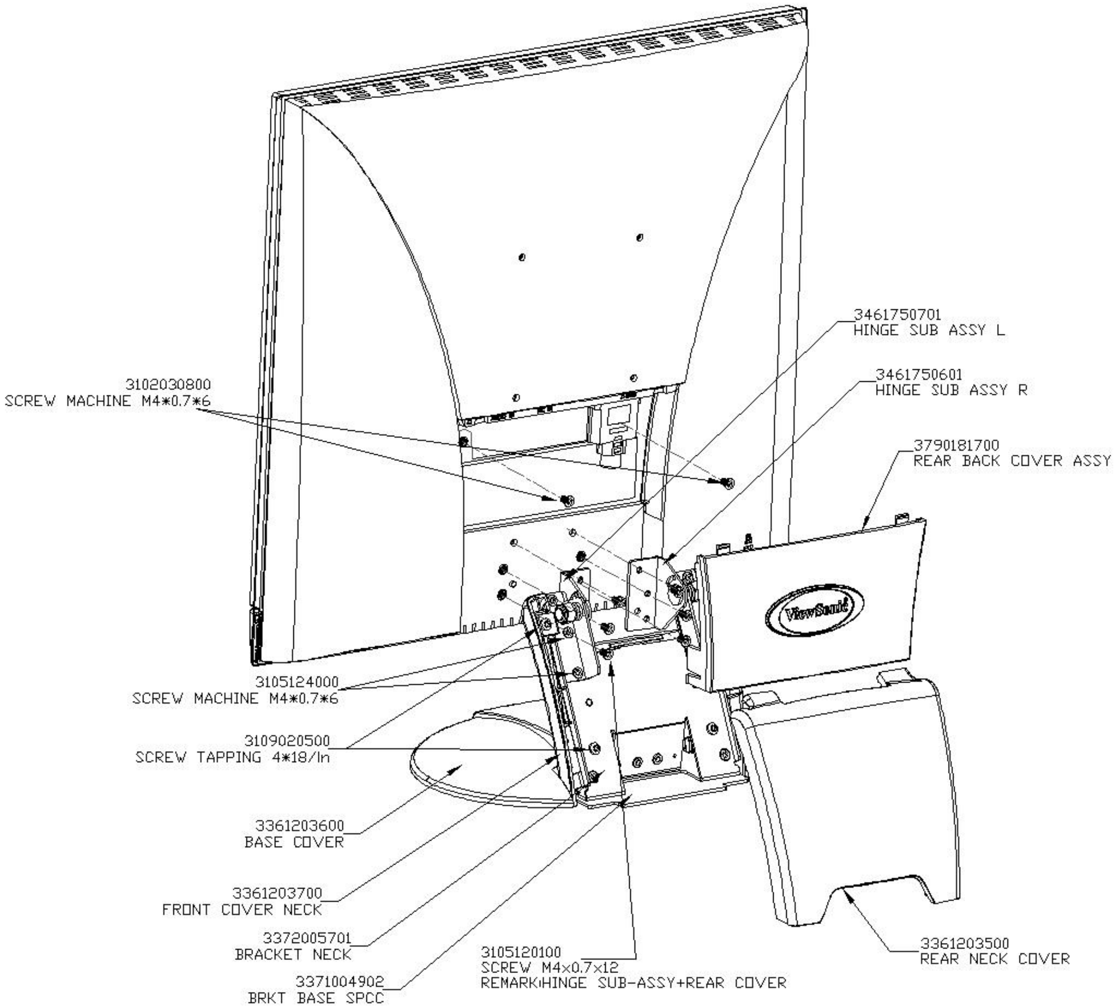
4.2 Press button 2 and down arrow key simultaneously, then press LCD power key.

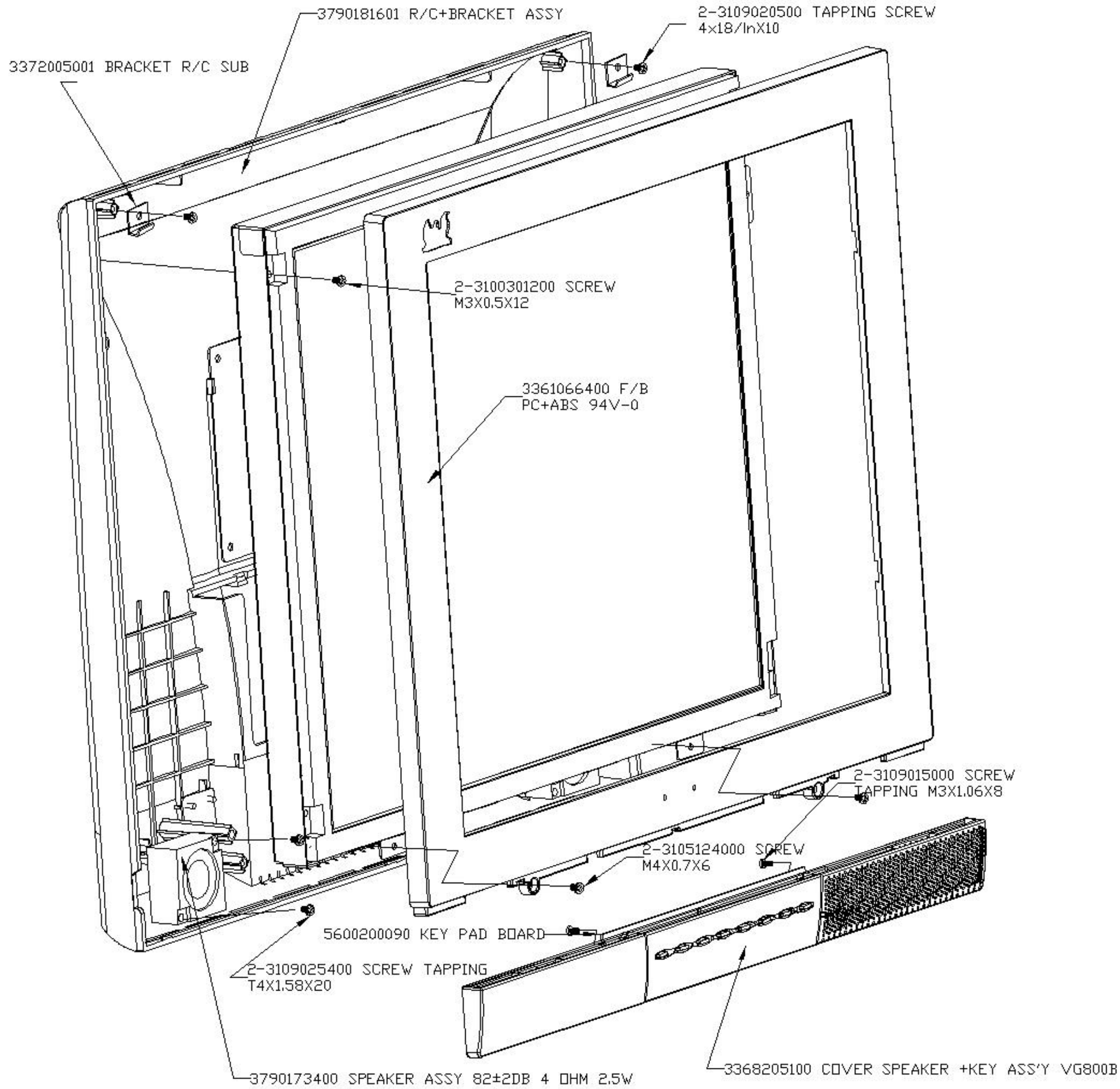
4.3 In writeable system, key in twelve number or use bar code read in serial number.

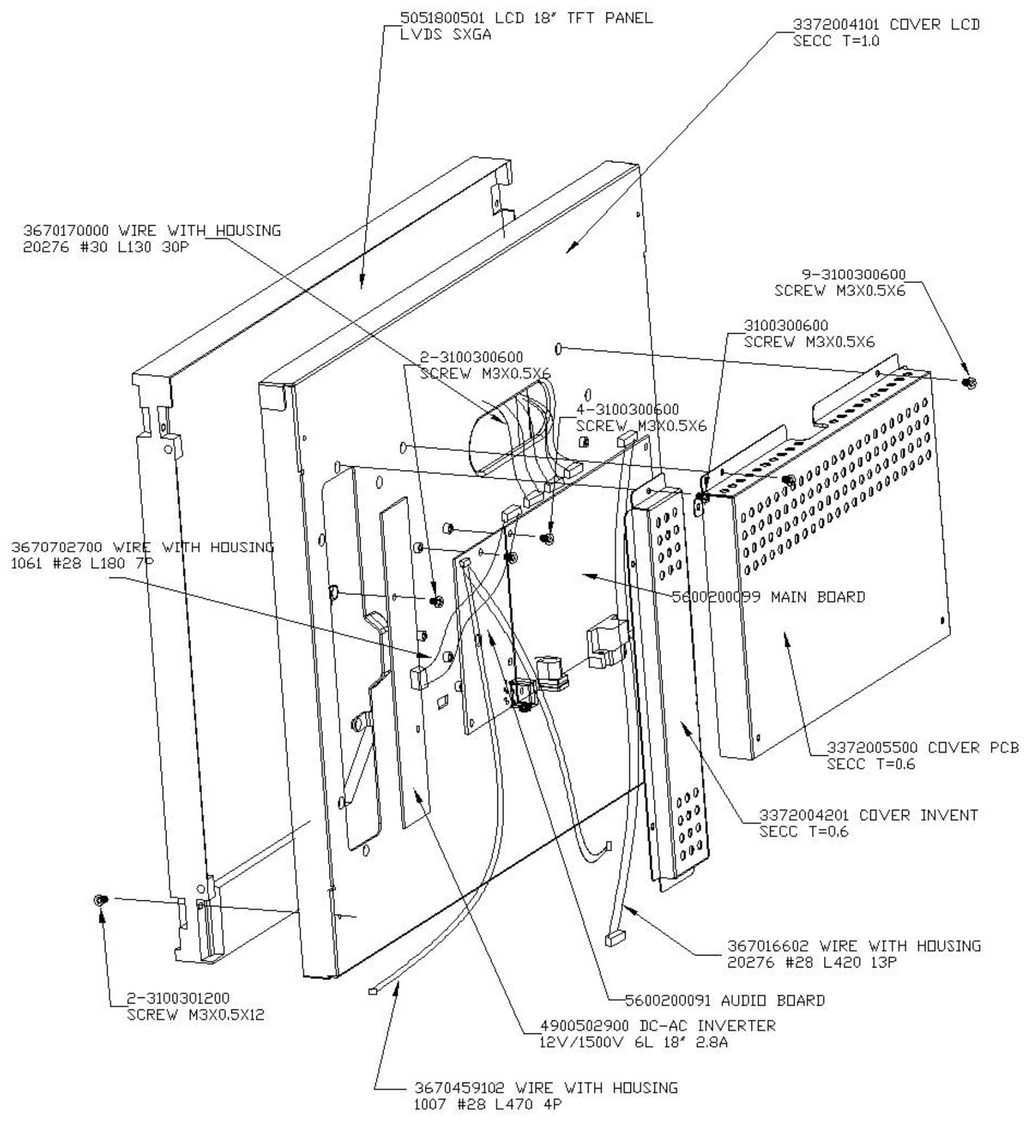
4.4 Enter “OUTPUT SN.”

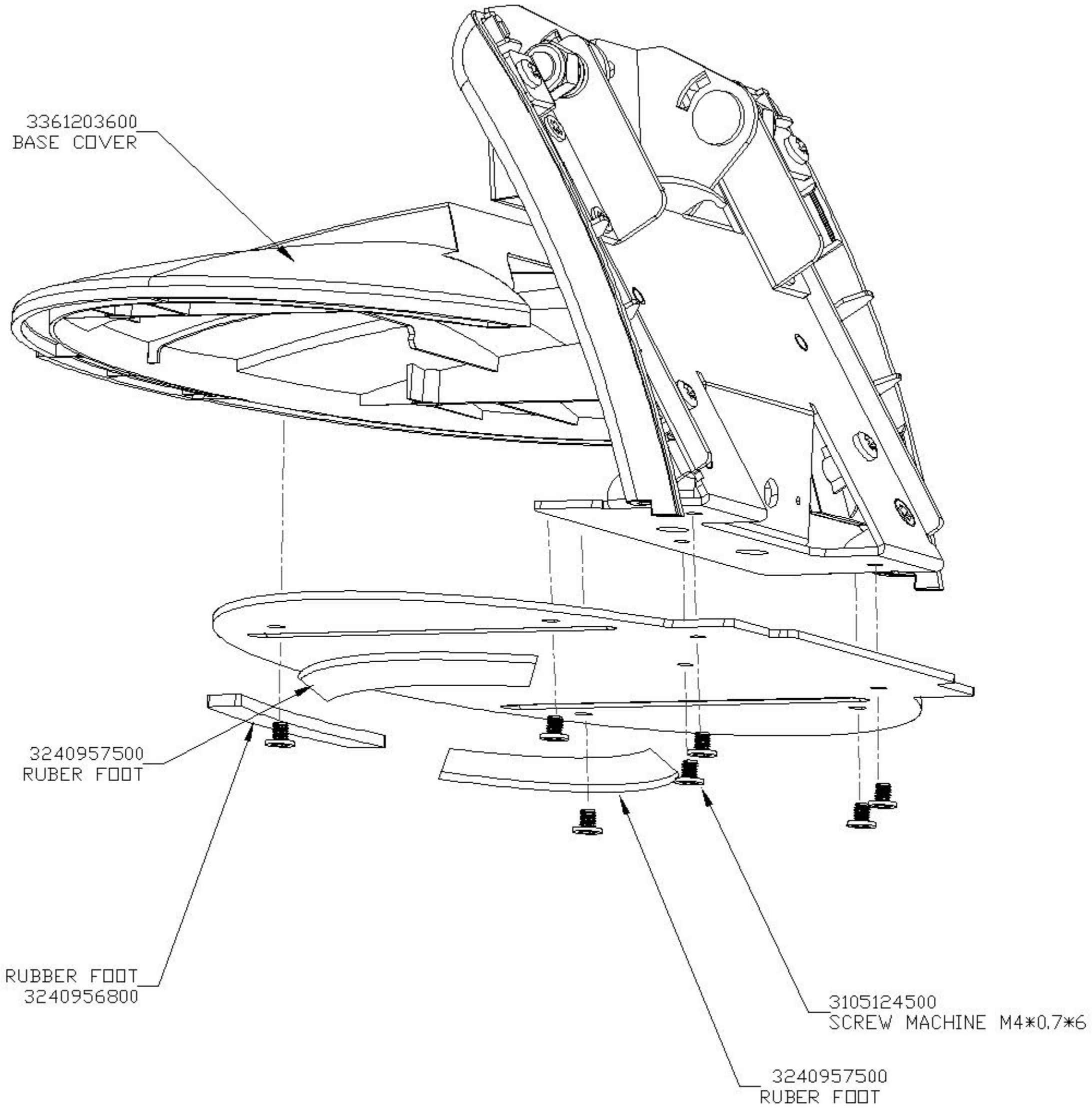
4.5 Pull out adapter.

5. MECHANICAL ASSEMBLY

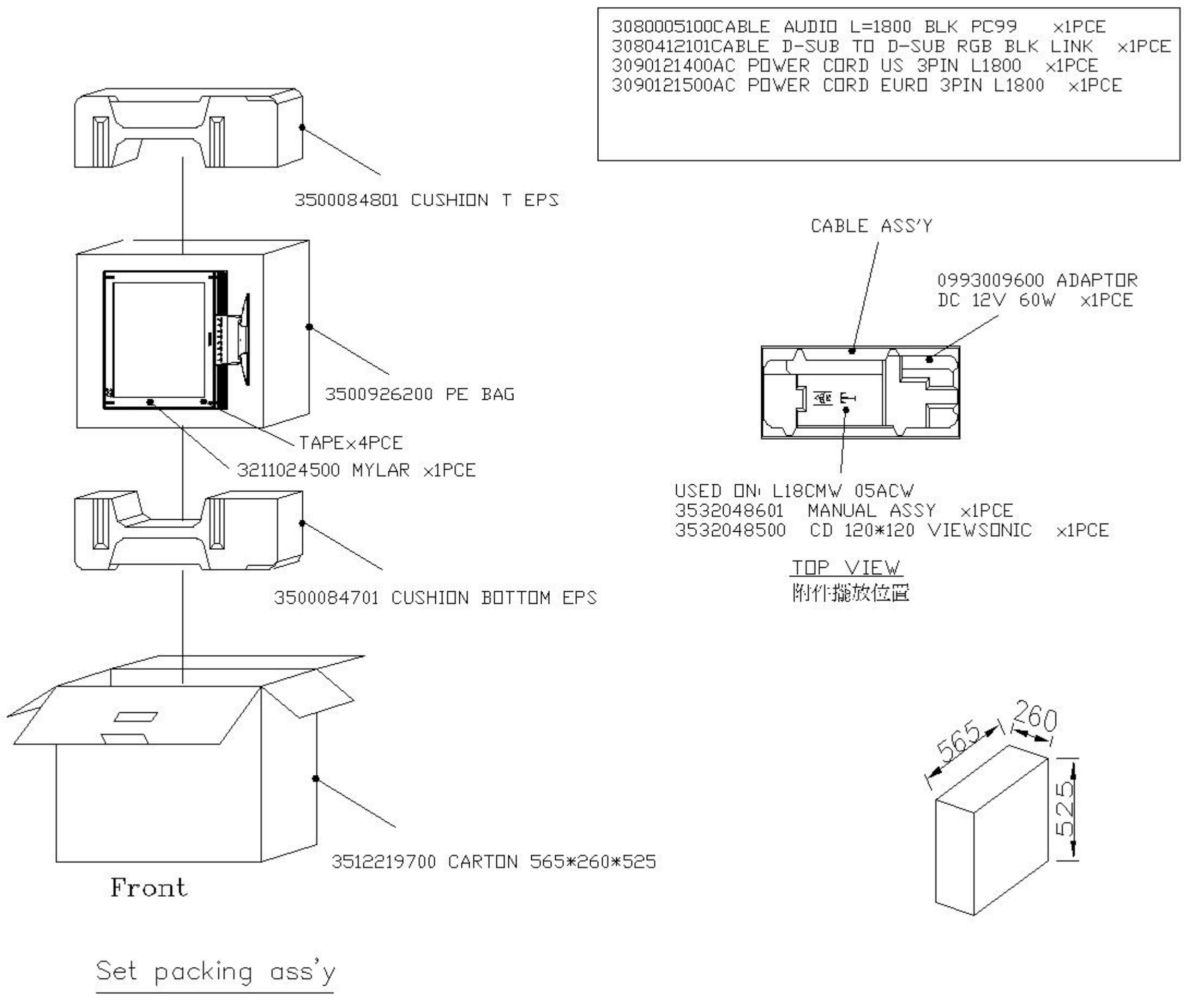



3790181601 R/C+BRACKET ASSY
2-3109020500 TAPPING SCREW
4x18/InX10
3372005001 BRACKET R/C SUB
2-3100301200 SCREW
M3X0.5X12
3361066400 F/B
PC+ABS 94V-0
2-3109015000 SCREW
TAPPING M3X1.06X8
2-3105124000 SCREW
M4X0.7X6
5600200090 KEY PAD BOARD
2-3109025400 SCREW TAPPING
T4X1.58X20
3790173400 SPEAKER ASSY 82±2DB 4 OHM 2.5W
3368205100 COVER SPEAKER +KEY ASS'Y VG800B


5051800501 LCD 18" TFT PANEL
LVDS SXGA
3372004101 COVER LCD
SECC T=1.0
3670170000 WIRE WITH HOUSING
20276 #30 L130 30P
9-3100300600
SCREW M3X0.5X6
3100300600
SCREW M3X0.5X6
2-3100300600
SCREW M3X0.5X6
4-3100300600
SCREW M3X0.5X6
3670702700 WIRE WITH HOUSING
1061 #28 L180 7P
5600200099 MAIN BOARD
3372005500 COVER PCB
SECC T=0.6
3372004201 COVER INVENT
SECC T=0.6
367016602 WIRE WITH HOUSING
20276 #28 L420 13P
2-3100301200
SCREW M3X0.5X12
5600200091 AUDIO BOARD
4900502900 DC-AC INVERTER
12V/1500V 6L 18" 2.8A
3670459102 WIRE WITH HOUSING
1007 #28 L470 4P


3361203600
BASE COVER
3240957500
RUBER FOOT
RUBBER FOOT
3240956800
3105124500
SCREW MACHINE M4*0.7*6
3240957500
RUBER FOOT

VG800b Series : Packing Assy



MECHANICAL PARTS LIST

ITEM	VIEWSONIC P/N	DESCRIPTION	REFERENCE NUMBER	QTY
1.	M-LCD-0826-0124	LCD 18" TFT PANEL LVDS SXGA	5051800501	1
2.	M-CV-0830-2309	COVER LCD SECC T=1.0	3372004101	1
3.	M-WR-0828-0643	WIRE WITH HOUSING 20276 #30 L130 30P	3670170000	1
4.	M-SCW-0824-0391	SCREW M3x0.5x8	3100300800	2
5.	B-MB-0201-0673	MAIN BOARD	5600200099	1
6.	M-SCW-0824-0410	SCREW M3x0.5x6	3100300600	4
7.	B-AC-0215-0031	AUDIO BOARD	5600200091	1
8.	M-SCW-0824-0410	SCREW M3x0.5x6	3100300600	3
9.	M-SCW-0824-0391	SCREW M3x0.5x8	3100300800	1
10.	B-SB-0221-0451	DC-AC INVERTER	4900502900	1
11.	M-SCW-0824-0410	SCREW M3x0.5x6	3100300600	2
12.	M-WR-0828-0640	WIRE WITH HOUSING 20276 #28 L420 13P	3670166602	1
13.	M-WR-0828-0641	WIRE WITH HOUSING 1007 #28 L470 4P	3670459102	1
14.	M-WR-0828-0642	WIRE WITH HOUSING 1061 #28 L180 7P	3670702700	1
15.	M-MS-0808-8168	CONDUCTIVE FABRIC GASKET 150x13 T=3.5	3472800200	2
16.	M-MS-0808-8170	CONDUCTIVE FABRIC GASKET 100x10 T=13	3472800700	1
17.	M-CV-0830-2311	COVER PCB SECC T=0.6	3372005500	1
18.	M-CV-0830-2348	COVER INVERT SECC T=0.6	3372004201	1
19.	M-SCW-0824-0410	SCREW M3x0.5x6	3100300600	9
20.	M-SCW-0824-0410	SCREW M3x0.5x6	3100300600	2
21.	M-MS-0808-8165	CONDUCTIVE AL 50*30 T=0.1	3463000400	3
22.	M-MS-0808-8166	CONDUCTIVE AL 150*30 T=0.1	3463000501	1
23.	M-MS-0808-8167	CONDUCTIVE AL 25*30 T=0.1	3463000800	4
24.	C-BC-0302-0443	R/C+BRACKET SECC ASSY VG800B	3790181601	1
25.	M-MS-0808-8223	BRACKET R/C SUB T=1.2	3372005001	2
26.	M-CV-0830-2369	BRACKET REAR COVER SECC T=1.2	3460119101	1
27.	M-SCW-0824-0620	SCREW TØ4*1.6*10 PAN C S18C	3109020500	2
28.	M-SCW-0824-0620	SCREW TØ4*1.6*10 PAN C S18C	3109020500	2
29.	M-SCW-0824-0391	SCREW M3x0.5x8	3100300800	2
28.	E-SK-0412-0062	SPEAKER ASS'Y 82±2DB 4OHM 2.5W	3790173401	2
29.	C-FP-0301-0902	F/B PC+ABS 94V-0	3361070801	1
30.	M-SCW-0814-0692	SCREW M M4x0.7x6	3105124000	2
31.	M-CV-0830-2368	COVER SPEAKER +KEY ASS'Y VG800B	3368205100	1
32.	B-KB-0207-0023	KEY PAD BOARD	5600200090	1
33.	M-SCW-0814-0694	SCREW TØ3*1.27*8 PAN C S20C	3109015000	2
34.	M-MS-0808-8175	BRACKET NECK SPCC T=2	3372005701	1
35.	M-MS-0808-8159	BRKT BASE SPCC T=2 ZN BLK	3371004902	1
36.	M-SCW-0814-0693	SCREW M M4x0.7x6 FF C S18C ZN BLK	3105124500	3
37.	PL-PD-0714-0067	RUBBER FOOT 81*13*3T BLK	3240956800	2
38.	PL-PD-0714-0068	RUBBER FOOT 75*10*3T BLK	3240957500	2
39.	M-CV-0830-2347	COVER NECK FRONT PC+ABS	3361203700	1
40.	M-SCW-0824-0620	SCREW TØ4*1.6*10 PAN C S18C	3109020500	4
41.	M-CV-0830-2346	COVER BOTTOM PC+ABS	3361203600	1
42.	M-SCW-0814-0693	SCREW M M4x0.7x6 FF C S18C ZN BLK	3105124500	4
43.	M-MS-0808-8163	HINGE SUB ASS'Y R	3461750601	1
44.	M-MS-0808-8164	HINGE SUB ASS'Y L	3461750701	1
45.	M-SCW-0814-0692	SCREW M M4x0.7x6	3105124000	6
46.	M-SCW-0814-0691	SCREW M M4x0.7x12 PAN C S+P S1	3105120100	6
47.	M-SCW-0824-0696	SCREW M M4x0.7x8 FLAT C S10C ZN BLK	3102030800	2
48.	M-CV-0830-2345	COVER NECK BACK PC+ABS	3361203500	1
49.	M-CV-0830-2349	COVER+MARK ASS'Y	3790181700	1

PACKING ASS'Y VG800b

ITEM	VIEWSONIC P/N	DESCRIPTION	PART NO.	QTY
	A-AD-0114-0094	ADAPTOR DC 12V 60W	993009600	1
	A-AU-0120-0033	CABLE AUDIO L=180 BLK PC99	3080005100	1
	M-MS-0808-8033	CABLE D-SUB TO D-SUB RGB BLK LINK	3080412101	1
	A-PC-0106-0191	AC POWER CORD US 3PIN L1800	3090121400	1
	A-PC-0106-0192	AC POWER CORD EURO 3PIN L1800	3090121500	1
	M-MS-0808-7662	PE BAG 280*130*0.05T CLEAR	3500933600	1
	M-MS-0808-7674	PE BAG 500*640*0.06T CLEAR	3500932401	1
	P-FM-0602-0756	END BLOCK EPS (B) 558*261*170	3500084701	1
	P-FM-0602-0757	END BLOCK EPS (T) 558*261*170	3500084801	1
		DRYER 15G	3520134700	4
	A-CD-VG800B	CD-ROM VIEWSONIC VG800b	3532048500	1
	M-MS-0808-7675	MANUAL ASS'Y VIEWSONIC VG800b	3532048601	1
	P-BX-0601-0733	CARTON 560*250*525 VIEWSONIC VG800b	3512229700	1
	M-MS-0808-8303	MYLAR 435*350 T=2	3211024500	1

6. SPARE PARTS LISTS

VG800 B RECOMMENDED SPARE PARTS LIST

No.	VIEWSONIC P/N	DESCRIPTION	REFERENCE NUMBER	REMARKS
1	A-AD-0114-0094	ADAPTOR DC 12V 60W	0993009600	
2	A-AU-0120-0033	CABLE AUDIO L=1800 BLK PC99	3080005100	
3	M-MS-0808-8033	CABLE D-SUB TO D-SUB RGB BLK L=180	3080412101	
4	A-PC-0106-0191	AC POWER CORD US 3PIN L1800	3090121400	
5	A-PC-0106-0192	AC POWER CORD EURO 3PIN L1800	3090121500	
6	M-SCW-0824-0410	SCREW MACHINE 3*0.5*6 PAN S&P ASS	3100300600	MAIN BD
7	M-SCW-0824-0391	SCREW MACHINE 3*0.5*8 PAN S&P ASS	3100300800	LCD PANEL+COVER LCD
8	M-SCW-0824-0696	SCREW MACHINE M4*.7 L8mm	3102030800	
9	M-SCW-0824-0690	SCREW MACHINE #4-40UNC*11.8 HEXAGO	3105051501	CONN. D-SUB
10	M-SCW-0814-0691	SCREW MACHINE M4*0.7*12	3105120100	HINGE SUB ASS'Y+R/C
11	M-SCW-0814-0692	SCREW MACHINE M4*0.7*6 S45C NI	3105124000	HINGE SUB+BRKT NECK
12	M-SCW-0814-0693	SCREW MACHINE M4*0.7*6 ZN BLK	3105124500	NECK SUB ASS'Y+BOTTOM COVER
13	M-SCW-0814-0694	SCREW TAPPING M3*1.06*8 PAN ZN	3109015000	KEY BD
14	M-SCW-0824-0620	SCREW TAPPING 4*18/in*10 ROUND ZN	3109020500	NECK F/C PC/ABS+BRKT NECK SECC
15	M-SCW-0824-0697	SCREW TAPPING 4*1.58*20 ROUND ZN B	3109025400	SPEAKER ASSY
16	M-MS-0808-8040	WASHER SPRING SWRT	3110250000	CONN. D-SUB
17	M-LB-0813-0712	LABEL WARING	3200449700	
18	M-MS-0808-4686	NAME PLATE AL+PC VSC 3-BIRD LOGO 1	3200462800	F/B
19	M-MS-0808-8151	NAME PLATE AL 43*6.9*1.15T VIEWSON	3200641801	F/B
20	M-LB-0813-0551	LABEL BAR CODE 55*15 VSC-G	3200744000	
21	M-LB-0813-0696	LABEL BAR CODE 76*121 VIEWSONIC	3200753101	R/C
22	M-LB-0813-0713	LABEL ID 160*43 VIEWSONIC VG800B	3201936600	R/C
23	M-LB-0813-0714	LABEL HV WARNING 100*25	3202310700	
24	M-MS-0808-8173	MYLAR INSULATOR 94V-0 200*40 T=0.4	3211022501	PCB/C+LCD/C
25	M-MS-0808-8303	MYLAR 435*350 T.2	3211024500	
29	PL-PD-0714-0066	RUBBER PAD 25*25*2	3240954400	PANEL COVER
30	PL-PD-0714-0067	RUBBER FOOT 81*13*3T BLK	3240956800	BRKT BSAE
31	M-MS-0808-8156	SPONGE PU FOAM 40*15 T6 BLACK	3240957300	REAR COVER
32	M-MS-0808-8157	SPONGE PU FOAM 100*7 T1 BLACK	3240957400	BOTTOM COVER PC/ABS
33	PL-PD-0714-0068	RUBBER FOOT 75*10 T3	3240957500	BRKT BASE SECC R/L
34	M-MS-0808-8304	RUBBER HOLD PLUG OD5.2 H3.8 BLK	3240964900	
35	M-MS-0808-8177	HSK AL T=1.5 21*9	3343705301	AUDIO ICA3
36	PL-NB-0707-0176	KNOB FUNCTION PC+ABS 94V0	3360623700	
37	C-FP-0301-0902	FRONT BEZEL PC+ABS 94V-0	3361070800	
38	M-CV-0830-2344	COVER SPEAKER PC+ABS 94V0	3361203200	
39	M-CV-0830-2345	COVER NECK BACK PC+ABS	3361203500	
40	M-CV-0830-2346	COVER BOTTOM PC+ABS	3361203600	
41	M-CV-0830-2347	COVER NECK FRONT PC+ABS	3361203700	
42	M-MS-0808-8159	BRKT BASE SPCC T=2 ZN BLK	3371004902	
43	M-CV-0830-2309	COVER LCD SECC T=1.0 18"	3372004101	
44	M-CV-0830-2348	COVER INVERT SECC T=0.6 18"	3372004201	
45	M-MS-0808-8223	BRACKET R/C SUB SECC T=1.2	3372005001	
46	M-CV-0830-2311	COVER PWB SECC T=0.6 VG800	3372005500	
47	M-MS-0808-8175	BRACKET MECK SPCC T=2 ZN BLK	3372005701	
48	M-MS-0808-8162	CABLE CLAMP GROUNDING SPCC T.3mm	3421024500	TOUCH BD WIRE+PCB COVER
49	M-CV-0830-2314	BRACKET REAR COVER SECC T=1.2	3460119100	
50	M-MS-0808-8163	HINGE SUB ASSY R	3461750601	
51	M-MS-0808-8164	HINGE SUB ASSY L	3461750701	
52	M-MS-0808-8165	CONDUCTIVE AL 50*30 T=0.1	3463000400	LCD COVER
53	M-MS-0808-8166	CONDUCTIVE AL 150*30 T=0.1	3463000501	PCB COVER+PANEL COVER
54	M-MS-0808-8167	CONDUCTIVE AL 25*30 T=0.1	3463000800	PCB/C+PANEL/C
55	M-MS-0808-8168	CONDUCTIVE FABRIC GASKET 150*13 T=	3472800200	PANEL ASS'Y
56	M-MS-0808-8170	CONDUCTIVE FABRIC GASKET 100*10 T=	3472800700	LCD PANEL
57	P-FM-0602-0756	END BLOCK EPS(B) 558*261*170	3500084700	
58	P-FM-0602-0757	END BLOCK EPS(T) 558*261*170	3500084800	
59	M-MS-0808-8171	PE BAG 580*640 T=0.06 CLEAN	3500932400	
63	P-BX-0601-0733	CARTON 560*250*525 VIEWSONIC VG800	3512229700	
	A-CD-VG800B	CD-ROM VIEWSONIC VG800B	3532048500	
	M-MS-0808-8305	MANUAL ASSY VIEWSONIC VG800B	3532048600	
	M-WR-0828-0640	WIRE WITH HOUSING 20276 #30 L=420	3670166602	MAIN BD+TOUCH BD
	M-WR-0828-0643	WIRE WITH HOUSING 20276 #30 L=130	3670170000	PANEL+MAIN BD
	M-WR-0828-0641	WIRE WITH HOUSING 1007 #28 L=470 4	3670459102	AUDIO/BD JA2
	M-WR-0828-0642	WIRE WITH HOUSING 1061 #28 L=180 7	3670702700	NAIN BD+INV.BD
	E-SK-0412-0062	SPEAKER ASSY 82+-2DB 40HM 2.5W L=6	3790173401	
	C-BC-0302-0443	R/C BRACKET SECC ASSY	3790181600	
	M-CV-0830-2349	COVER+MARK ASSY	3790181700	
	B-SB-0221-0451	DC-AC INVERTER 12V/1500VMIN 6L 18"	4900502900	
	M-MS-0808-6083	WARRANTY CARD COLOR KEY VSC 102*38	5012016100	
	M-LCD-0826-0124	LCD 18.0" TFT PANEL	5051800501	
	B-KB-0207-0023	KEY PAD BOARD	5600200090	
	B-AC-0215-0031	AUDIO BOARD	5600200091	
	B-MB-0201-0673	MAIN BOARD ASSY	5600200099	

COMPLETE SPARE PARTS LISTS

VSC PART **VG800b (L18CMW 05ACW) BOM**

ITEM	VIEWSONIC P/N	DESCRIPTION ALT GROUP	REF NO	DESI	MFG PART	QPA	UM	GN NO ITEM TEXT
1		ADAPTOR DC 12V 60W	1 0993009600		ADP-60WB A	1	PCE	
2	A-AU-0120-0033	CABLE AUDIO L=1800 BLK PC99	1 3080005100			1	PCE	
3	M-MS-0808-8033	CABLE D-SUB TO D-SUB RGB BLK	1 3080412101			1	PCE	
4	A-PC-0106-0191	AC POWER CORD US 3PIN L1800	1 3090121400			1	PCE	
5	A-PC-0106-0192	AC POWER CORD EURO 3PIN	1 3090121500			1	PCE	
6	M-SCW-0824-0410	SCREW MACHINE 3*0.5*6 PAN	1 3100300600			3	PCE	AUDIO BD
7	M-SCW-0824-0410	SCREW MACHINE 3*0.5*6 PAN	1 3100300600			4	PCE	MAIN BD
8	M-SCW-0824-0410	SCREW MACHINE 3*0.5*6 PAN	1 3100300600			2	PCE	INVERT BD
9	M-SCW-0824-0410	SCREW MACHINE 3*0.5*6 PAN S&P	1 3100300600			1	PCE	PANEL GND WIRE
10	M-SCW-0824-0410	SCREW MACHINE 3*0.5*6 PAN S&P	1 3100300600			2	PCE	LCD COVER+R/C PC/ABS
11	M-SCW-0824-0410	SCREW MACHINE 3*0.5*6 PAN	1 3100300600			9	PCE	PCB COVER
12	M-SCW-0824-0410	SCREW MACHINE 3*0.5*6 PAN	1 3100300600			2	PCE	INVERT
13	M-SCW-0824-0391	SCREW MACHINE 3*0.5*8 PAN S&P	1 3100300800			4	PCE	LCD PANEL+COVER LCD
14	M-SCW-0824-0391	SCREW MACHINE 3*0.5*8 PAN	1 3100300800			1	PCE	AUDIO BD
15	M-SCW-0824-0696	SCREW MACHINE M4*.7 L8mm	1 3102030800			2	PCE	R/C PC/ABS + COVER LCD
16	M-SCW-0824-0690	SCREW MACHINE #4-40UNC*11.8 HE AB 0 %	1 3105051501			2	PCE	CONN. D-SUB
17	M-SCW-0814-0691	SCREW MACHINE M4*0.7*12	1 3105120100			6	PCE	HINGE SUBASS'Y+R/C
18	M-SCW-0814-0692	SCREW MACHINE M4*0.7*6 S45C NI	1 3105124000			6	PCE	HINGE SUB+BRKT NECK
19	M-SCW-0814-0692	SCREW MACHINE M4*0.7*6 S45C NI	1 3105124000			2	PCE	FRONT BEZEL PC/ABS
20	M-SCW-0814-0693	SCREW MACHINE M4*0.7*6 ZN BLK	1 3105124500			4	PCE	NECK SUB ASS'Y+BOTTO M COVER
21	M-SCW-0814-0693	SCREW MACHINE M4*0.7*6 ZN BLK	1 3105124500			3	PCE	NECK BRKT+BRKT BUTTOM SECC
22	M-SCW-0814-0694	SCREW TAPPING M3*1.06*8 PAN	1 3109015000			2	PCE	KEY BD
23	M-SCW-0824-0620	SCREW TAPPING 4*18/in*10 ROUND	1 3109020500			2	PCE	R/C PC/ABS+BRKT SUB
24	M-SCW-0824-0620	SCREW TAPPING 4*18/in*10 ROUND	1 3109020500			4	PCE	NECK F/C PC/ABS+BRKT NECK SECC
25	M-SCW-0824-0620	SCREW TAPPING 4*18/in*10 ROUND	1 3109020500			2	PCE	R/C RC/ABS+BRKT R/C
26	M-SCW-0824-0697	SCREW TAPPING 4*1.58*20	1 3109025400			4	PCE	SPEAKER
27	M-MS-0808-8040	WASHER SPRING SWRT	1 3110250000			2	PCE	CONN. D-SUB
28	M-LB-0813-0712	LABEL WARING AF 0 %	1 3200449700			0.125	PCE	
29	M-MS-0808-4686	NAME PLATE AL+PC VSC 3-BIRD	1 3200462800		DA-1565SB	1	PCE	F/B
30	M-MS-0808-8151	NAME PLATE AL 43*6.9*1.15T VIE	1 3200641801			1	PCE	F/B
31	M-LB-0813-0551	LABEL BAR CODE 55*15 VSC-G	1 3200744000			1	PCE	FOR PRODUCTION LINE USE
32	M-LB-0813-0696	LABEL BAR CODE 76*121	1 3200753101			1	PCE	R/C
33	M-LB-0813-0713	LABEL ID 160*43 VIEWSONIC VG80	1 3201936600			1	PCE	
34	M-LB-0813-0714	LABEL HV WARNING 100*25	1 3202310700			1	PCE	
35	M-MS-0808-8173	MYLAR INSULATOR 94V-0 200*40 T	1 3211022501			1	PCE	PCB/C+LCD/C
36	M-MS-0808-8303	MYLAR 435*350 T.2 AD 0 %	1 3211024500			1	PCE	FRONY BEZEL
37	M-MS-0808-8202	TAPE W=10 1350 3M	1 3220133600		1350 W=10	0.3	MTR	PANEL PWR/W
38		TAPE CREPE PAPER W=45 #7290	1 3220605633		#7290 W=45	0.128	MTR	F/B
39		TAPE W=76 PP47 4P	1 3221101900		PP47(50M) W=76	1	MTR	PACKING
40	PL-PD-0714-0066	RUBBER PAD 25*25*2	1 3240954400			1	PCE	PANEL COVER
41	PL-PD-0714-0066	RUBBER PAD 25*25*2	1 3240954400			1	PCE	PCB COVER
42	PL-PD-0714-0067	RUBBER FOOT 81*13*3T BLK	1 3240956800			2	PCE	BRKT BSAE
43	M-MS-0808-8156	SPONGE PU FOAM 40*15 T6	1 3240957300			6	PCE	REAR COVER
44	M-MS-0808-8157	SPONGE PU FOAM 100*7 T1 BLACK	1 3240957400			1	PCE	BOTTOM COVER
45	PL-PD-0714-0068	RUBBER FOOT 75*10 T3	1 3240957500			2	PCE	BRKT BASESECC R/L
46	M-MS-0808-8304	RUBBER HOLD PLUG OD5.2 H3.8	1 3240964900			4	PCE	R/C
47	M-MS-0808-8177	HSK AL T=1.5 21*9	1 3343705301			1	PCE	AUDIO ICA3

48	PL-NB-0707-0176	KNOB FUNCTION PC+ABS 94V0	1 3360623700			1	PCE	
49		PLASTIC ABS+PC 94V0 VSC 03B GN AA 100 % 1	.2 4020371508		GN-5008HF VSC03B	0	GRM	
50		PLASTIC ABS+PC 94V0 VSC 03B C2 AA 0 % 1	.2 4020371517		C2800 VSC 03B	0	GRM	
51	C-FP-0301-0902	FRONT BEZEL PC+ABS 94V-0	1 3361070800			1	PCE	
52		PLASTIC ABS+PC 94V0 VSC 03B GN AA 100 % 23	.2 4020371508		GN-5008HF VSC03B	5	GRM	
53		PLASTIC ABS+PC 94V0 VSC 03B C2 AA 0 % 23	.2 4020371517		C2800 VSC 03B	5	GRM	
54	M-CV-0830-2344	COVER SPEAKER PC+ABS 94V0	1 3361203200			1	PCE	
55		PLASTIC ABS+PC 94V0 VSC 03B GN AA 100 % 6	.2 4020371508		GN-5008HF VSC03B	7	GRM	
56		PLASTIC ABS+PC 94V0 VSC 03B C2 AA 0 % 6	.2 4020371517		C2800 VSC 03B	7	GRM	
57	M-CV-0830-2345	COVER NECK BACK PC+ABS	1 3361203500			1	PCE	
58		PLASTIC ABS+PC 94V0 VSC 03B GN AA 100 % 8	.2 4020371508		GN-5008HF VSC03B	5	GRM	
59		PLASTIC ABS+PC 94V0 VSC 03B C2 AA 0 % 8	.2 4020371517		C2800 VSC 03B	5	GRM	
60	M-CV-0830-2346	COVER BOTTOM PC+ABS	1 3361203600			1	PCE	
61		PLASTIC ABS+PC 94V0 VSC 03B GN AA 100 % 12	.2 4020371508		GN-5008HF VSC03B	1	GRM	
62		PLASTIC ABS+PC 94V0 VSC 03B C2 AA 0 % 12	.2 4020371517		C2800 VSC 03B	1	GRM	
63	M-CV-0830-2347	COVER NECK FRONT PC+ABS	1 3361203700			1	PCE	
64		PLASTIC ABS+PC 94V0 VSC 03B GN AA 100 % 6	.2 4020371508		GN-5008HF VSC03B	5	GRM	
65		PLASTIC ABS+PC 94V0 VSC 03B C2 AA 0 % 6	.2 4020371517		C2800 VSC 03B	5	GRM	
66	M-MS-0808-8159	BRKT BASE SPCC T=2 ZN BLK	1 3371004902			1	PCE	
67	M-CV-0830-2309	COVER LCD SECC T=1.0 18"	1 3372004101			1	PCE	
68	M-CV-0830-2348	COVER INVERT SECC T=0.6 18"	1 3372004201			1	PCE	
69	M-MS-0808-8223	BRACKET R/C SUB SECC T=1.2	1 3372005001			2	PCE	R/C PC ABS
70	M-CV-0830-2311	COVER PWB SECC T=0.6 VG800	1 3372005500			1	PCE	
71	M-MS-0808-8175	BRACKET MECK SPCC T=2 ZN BLK	1 3372005701			1	PCE	
72	M-MS-0808-8162	CABLE CLAMP GROUNDING SPCC T.3	1 3421024500			1	PCE	TOUCH BD WIRE+PCB COVER
73	M-CV-0830-2314	BRACKET REAR COVER SECC	1 3460119100			1	PCE	
74	M-MS-0808-8163	HINGE SUB ASSY R	1 3461750601			1	PCE	
75	M-MS-0808-8164	HINGE SUB ASSY L	1 3461750701			1	PCE	
76	M-MS-0808-8165	CONDUCTIVE AL 50*30 T=0.1	1 3463000400			3	PCE	LCD COVER
77	M-MS-0808-8166	CONDUCTIVE AL 150*30 T=0.1	1 3463000501			1	PCE	PCB COVER+PANEL COVER
78	M-MS-0808-8167	CONDUCTIVE AL 25*30 T=0.1	1 3463000800			4	PCE	PCB/C+PANEL/C
79	M-MS-0808-8168	CONDUCTIVE FABRIC GASKET	1 3472800200			2	PCE	PANEL ASS'Y
80	M-MS-0808-8170	CONDUCTIVE FABRIC GASKET	1 3472800700			1	PCE	LCD PANEL
81	P-FM-0602-0756	END BLOCK EPS(B) 558*261*170	1 3500084700			1	PCE	
82	P-FM-0602-0757	END BLOCK EPS(T) 558*261*170	1 3500084800			1	PCE	
83		PE BAG 500*640 T=0.06 CLEAN	1 3500932401			1	PCE	3% SPARE PARTS
84	M-MS-0808-5338	ANGLE PAPER 1920*55*55	1 3510189701			0.13	PCE	BY SEA SHIPPING
85		TRAY 1166*1076*142H(INSIDE) VX AE 0 %	1 3510441600			0.125	PCE	
86	M-LCD-0826-0127	TUBE 1156*1066*1050(H) LCD 19" AA 0 %	1 3510552100			0.063	PCE	BY AIR SHIPPING
87	P-BX-0601-0733	CARTON 560*250*525 VIEWSONIC V	1 3512229700			1	PCE	3% for spare parts
88		PALLET FUMIGATED	1 3520026000			0.031	PCE	REV:00
89	M-MS-0808-5135	PE FILM t=0.02mm W=500	1 3520082400			0.04	KGM	
90		PE SHEET 1800*1600*0.15AC 0 %	1 3520084000			0.063	PCE	BY AIR SHIPPING
91		PE SHIELDING BAG 280*200	1 3520087700		#9	1	PCE	
92		DRYER 15G	1 3520134700			4	PCE	Rev:00
93	A-CD-VG800B	CD-ROM VIEWSONIC VG800B	1 3532048500			1	PCE	
94	M-MS-0808-8305	MANUAL ASSY VIEWSONIC	1 3532048600			1	PCE	
95		PE BAG 195*287 T=0.1	.2 3500932100			1	PCE	
96		MANUAL 125*190 VIEWSONIC	.2 5011082200			1	PCE	
97		SAFETY CARD TCO 95	.2 5014000200			1	PCE	
98	M-WR-0828-0640	WIRE WITH HOUSING 20276 #30 L=	1 3670166602			1	PCE	MAIN BD+TOUCH BD

99	M-WR-0828-0643	WIRE WITH HOUSING 20276 #30 L=	1 3670170000			1	PCE	PANEL+MAIN BD
100	M-WR-0828-0641	WIRE WITH HOUSING 1007 #28	1 3670459102			1	PCE	AUDIO/BD JA2
101	M-WR-0828-0642	WIRE WITH HOUSING 1061 #28	1 3670702700			1	PCE	NAIN
102	E-SK-0412-0062	SPEAKER ASSY 82+-2DB 40HM	1 3790173401			2	PCE	
103	C-BC-0302-0443	R/C BRACKET SECC ASSY	1 3790181600			1	PCE	
104		TAPE W=7 1L VHB4926 ACRYLIC	.2 3221407510		VHB4926 W=7	0.19	MTR	
105		COVER REAR PC+ABS 94V0	.2 3361203400			1	PCE	
106		PLASTIC ABS+PC 94V0 VSC 03B GN AA 100 % 77	..3 4020371508		GN-5008HF VSC03B	7	GRM	
107		PLASTIC ABS+PC 94V0 VSC 03B C2 AA 0 % 77	..3 4020371517		C2800 VSC 03B	7	GRM	
108		BRACKET VESA MOUNTING SECC T=1	.2 3371005500			1	PCE	
109	M-MS-0808-8211	BRACKET KENSINGTON SECC	.2 3371005700			1	PCE	
110	M-CV-0830-2349	COVER+MARK ASSY	1 3790181700			1	PCE	
111		NAME PLATE ABS+PC 94V0	.2 3200646700			1	PCE	
112		PLASTIC ABS+PC 94V0 VSC 03B GN AA 100 % 1	..3 4020371508		GN-5008HF VSC03B	1	GRM	
113		PLASTIC ABS+PC 94V0 VSC 03B C2 AA 0 % 1	..3 4020371517		C2800 VSC 03B	1	GRM	
114		COVER I/O PC+ABS 94V0	.2 3361203300			1	PCE	
115		PLASTIC ABS+PC 94V0 VSC 03B GN AA 100 % 5	..3 4020371508		GN-5008HF VSC03B	4	GRM	
116		PLASTIC ABS+PC 94V0 VSC 03B C2 AA 0 % 5	..3 4020371517		C2800 VSC 03B	4	GRM	
117	B-SB-0221-0451	DC-AC INVERTER 12V/1500VMIN	1 4900502900		DAC-12B084 A0	1	PCE	
118		X'FMR FOR DAC-12B084 A	.2 5559508700			1	PCE	
119	E-C-0404-4862	CAP CD 3KV 22P J SL KI7.5	..3 1160414312	C16	CC45SL3FD220J YGN	1	PCE	
120	E-C-0404-4862	CAP CD 3KV 22P J SL KI7.5	..3 1160414312	C17	CC45SL3FD220J YGN	1	PCE	
121	E-C-0404-4862	CAP CD 3KV 22P J SL KI7.5	..3 1160414312	C18	CC45SL3FD220J YGN	1	PCE	
122	E-C-0404-4862	CAP CD 3KV 22P J SL KI7.5	..3 1160414312	C26	CC45SL3FD220J YGN	1	PCE	
123	E-C-0404-4862	CAP CD 3KV 22P J SL KI7.5	..3 1160414312	C27	CC45SL3FD220J YGN	1	PCE	
124	E-C-0404-4862	CAP CD 3KV 22P J SL KI7.5	..3 1160414312	C28	CC45SL3FD220J YGN	1	PCE	
125	E-C-0404-4861	CAP AL LD 35V 220U M 10*12.5 T AA 0 %	..3 140152211448	C33	35YXG220MT810 *12.5	1	PCE	
126	E-C-0404-4861	CAP AL LD 35V 220U M 10*12.5 T AB 0 %	..3 140152211448	C36	35YXG220MT810 *12.5	1	PCE	
127	E-C-0404-4861	CAP AL LD 35V 220U M 10*12.5 T AA 100 %	..3 140152211467	C33	KY35VB220M10* 12.5-	1	PCE	
128	E-C-0404-4861	CAP AL LD 35V 220U M 10*12.5 T AB 100 %	..3 140152211467	C36	KY35VB220M10* 12.5-	1	PCE	
129		HEADER NY66 94V0 7PIN P2.0 AC 0 %	..3 3070336566	CN1	86807-0700	1	PCE	
130		HEADER NYLON66 94V-0 7 PIN AC 0 %	..3 3070420631	CN1	B7B-PH-K	1	PCE	
131		HEADER NY66 94V-0 7P P2.0 AC 100 %	..3 3071324334	CN1	A2001WV2-7P	1	PCE	
132		INSULATOR FR-60 94V0 T.25	..3 3240253000	MYLA		1	PCE	
133		PML FOR DAC-12B084 A	..3 3522162400	PML		1	PCE	
134		EPE PAD 500*370*3	...4 3500304600			0.01	PCE	
135		CELLS 370*245*23 FOR 12B084 A	...4 3500722500			0.14	PCE	
136		CORRUGATED PAPER 535*415*5.6	...4 3510251400			0.01	PCE	
137	B-SB-0221-0454	PWB ASSY FOR DAC-12B084 A	..3 3813500200			1	PCE	
138		RES CH 1/10W 470 F 0603	...4 0341036300	R23	2322 704 64701	1	PCE	
139		RES CH 1/10W 470 F 0603	...4 0341036300	R25	2322 704 64701	1	PCE	
140		RES CH 1/10W 470 F 0603	...4 0341036300	R27	2322 704 64701	1	PCE	
141		RES CH 1/10W 470 F 0603	...4 0341036300	R32	2322 704 64701	1	PCE	
142		RES CH 1/10W 470 F 0603	...4 0341036300	R34	2322 704 64701	1	PCE	
143		RES CH 1/10W 470 F 0603	...4 0341036300	R36	2322 704 64701	1	PCE	
144		RES CH 1/10W 16K F 0603	...4 0341064300	R20	2322 704 61603	1	PCE	
145		RES CH 1/10W 33K F 0603	...4 0341071300	R17	2322 704 63303	1	PCE	
146		RES CH 1/10W 47K F 0603	...4 0341077300	R12	2322 704 64703	1	PCE	
147		RES CH 1/10W 51K F 0603	...4 0341079300	R16	2322 704 65103	1	PCE	
148		RES CH 1/10W 36K F 0603	...4 0341135300	R13	2322 704 63603	1	PCE	
149		RES CH 1/10W 36K F 0603	...4 0341135300	R39	2322 704 63603	1	PCE	
150		RES CH 1/10W 237K F 0603	...4 0341362300	R14	2322 704 62374	1	PCE	
151		RES CH 1/10W 560 F 0603	...4 0341421300	R22	2322 704 65601	1	PCE	
152		RES CH 1/10W 560 F 0603	...4 0341421300	R24	2322 704 65601	1	PCE	

153		RES CH 1/10W 560 F 0603	...4 0341421300	R26	2322 704 65601	1	PCE	
154		RES CH 1/10W 560 F 0603	...4 0341421300	R31	2322 704 65601	1	PCE	
155		RES CH 1/10W 560 F 0603	...4 0341421300	R33	2322 704 65601	1	PCE	
156		RES CH 1/10W 560 F 0603	...4 0341421300	R35	2322 704 65601	1	PCE	
157		RES CH 1/10W ZERO J 0603	...4 0343000300	R18	2322 702 96001	1	PCE	
158		RES CH 1/10W ZERO J 0603	...4 0343000300	R43	2322 702 96001	1	PCE	
159		RES CH 1/10W 10 J 0603	...4 0343100300	R15	2322 702 60109	1	PCE	
160		RES CH 1/10W 10 J 0603	...4 0343100300	R4	2322 702 60109	1	PCE	
161		RES CH 1/10W 100 J 0603	...4 0343101300	R8	2322 702 60101	1	PCE	
162		RES CH 1/10W 1K J 0603	...4 0343102300	R42	2322 702 60102	1	PCE	
163		RES CH 1/10W 1K J 0603	...4 0343102300	R46	2322 702 60102	1	PCE	
164		RES CH 1/10W 10K J 0603	...4 0343103300	R1	ERJ-3GEYJ 103	1	PCE	
165		RES CH 1/10W 10K J 0603	...4 0343103300	R10	ERJ-3GEYJ 103	1	PCE	
166		RES CH 1/10W 10K J 0603	...4 0343103300	R2	ERJ-3GEYJ 103	1	PCE	
167		RES CH 1/10W 10K J 0603	...4 0343103300	R3	ERJ-3GEYJ 103	1	PCE	
168		RES CH 1/10W 10K J 0603	...4 0343103300	R37	ERJ-3GEYJ 103	1	PCE	
169		RES CH 1/10W 10K J 0603	...4 0343103300	R38	ERJ-3GEYJ 103	1	PCE	
170		RES CH 1/10W 10K J 0603	...4 0343103300	R40	ERJ-3GEYJ 103	1	PCE	
171		RES CH 1/10W 10K J 0603	...4 0343103300	R44	ERJ-3GEYJ 103	1	PCE	
172		RES CH 1/10W 100K J 0603	...4 0343104300	R11	2322 702 60104	1	PCE	
173		RES CH 1/10W 100K J 0603	...4 0343104300	R50	2322 702 60104	1	PCE	
174		RES CH 1/10W 1M J 0603	...4 0343105300	R19	2322 702 60105	1	PCE	
175		RES CH 1/10W 1M J 0603	...4 0343105300	R28	2322 702 60105	1	PCE	
176		RES CH 1/10W 1M J 0603	...4 0343105300	R29	2322 702 60105	1	PCE	
177		RES CH 1/10W 1M J 0603	...4 0343105300	R30	2322 702 60105	1	PCE	
178		RES CH 1/10W 1M J 0603	...4 0343105300	R5	2322 702 60105	1	PCE	
179		RES CH 1/10W 1M J 0603	...4 0343105300	R6	2322 702 60105	1	PCE	
180		RES CH 1/10W 1M J 0603	...4 0343105300	R7	2322 702 60105	1	PCE	
181		RES CH 1/10W 22 J 0603	...4 0343220300	R9	2322 702 60229	1	PCE	
182		RES CH 1/10W 3.9K J 0603	...4 0343392300	R41	2322 702 60392	1	PCE	
183		RES CH 1/10W 3.9K J 0603	...4 0343392300	R45	2322 702 60392	1	PCE	
184		FUSE F/SMD 3A 32V 1206 AT 100 %	...4 0869010502	F1	0429003.WRM	1	PCE	
185		FUSE F/SMD 3A 32V 1206 AA 100 %	...4 0869010502	F2	0429003.WRM	1	PCE	
186		FUSE F/SMD 3A 32V 1206 AT 0 %	...4 0869010503	F1	3216FF-3A	1	PCE	
187		FUSE F/SMD 3A 32V 1206 AA 0 %	...4 0869010503	F2	3216FF-3A	1	PCE	
188	E-C-0404-4877	CAP MC CP 50V 220P J C0G 0603	...4 1511538000	C12	C0603N221J050T	1	PCE	
189	E-C-0404-4882	CAP MC CP 50V 6.8KP K X7R 0603	...4 1512452000	C13	C0603X682K050	1	PCE	
190	E-C-0404-4870	CAP MC CP 50V .01U K X7R 0603	...4 1512454000	C11	C0603X103K050	1	PCE	
191	E-C-0404-4870	CAP MC CP 50V .01U K X7R 0603	...4 1512454000	C5	C0603X103K050	1	PCE	
192	E-C-0404-4870	CAP MC CP 50V .01U K X7R 0603	...4 1512454000	C6	C0603X103K050	1	PCE	
193	E-C-0404-4871	CAP MC CP 50V .033U K X7R 0805	...4 1512466100	C19	C0805X333K050	1	PCE	
194	E-C-0404-4873	CAP MC CP 50V 1.5KP K X7R 0603	...4 1512479000	C38	C0603X152K050	1	PCE	
195	E-C-0404-4872	CAP MC CP 50V 1.2KP K X7R 0603	...4 1512480000	C14	C0603X122K050	1	PCE	
196	E-C-0404-4865	CAP MC CP 16V .1U K X7R 0603	...4 1542458000	C10	C0603X104K016	1	PCE	
197	E-C-0404-4865	CAP MC CP 16V .1U K X7R 0603	...4 1542458000	C15	C0603X104K016	1	PCE	
198	E-C-0404-4867	CAP MC CP 16V 10U K X7R 1210	...4 1542491331	C39	C1210X106K016	1	PCE	
199	E-C-0404-4867	CAP MC CP 16V 10U K X7R 1210	...4 1542491331	C40	C1210X106K016	1	PCE	
200	E-C-0404-4868	CAP MC CP 25V .1U K X7R 0805	...4 1552458100	C21	C0805X104K025	1	PCE	
201	E-C-0404-4868	CAP MC CP 25V .1U K X7R 0805	...4 1552458100	C22	C0805X104K025	1	PCE	
202	E-C-0404-4868	CAP MC CP 25V .1U K X7R 0805	...4 1552458100	C23	C0805X104K025	1	PCE	
203	E-C-0404-4868	CAP MC CP 25V .1U K X7R 0805	...4 1552458100	C24	C0805X104K025	1	PCE	
204	E-C-0404-4868	CAP MC CP 25V .1U K X7R 0805	...4 1552458100	C25	C0805X104K025	1	PCE	
205	E-C-0404-4868	CAP MC CP 25V .1U K X7R 0805	...4 1552458100	C3	C0805X104K025	1	PCE	
206	E-C-0404-4863	CAP MC CP 10V .22U K X7R 0603	...4 .....15A2459000	C8	C0603X224K010	1	PCE	
207	E-C-0404-4884	CAP MC CP 10V 1U K X7R 0805	...4 .....15A2467100	C4	C0805X105K010	1	PCE	
208	E-C-0404-4884	CAP MC CP 10V 1U K X7R 0805	...4 .....15A2467100	C9	C0805X105K010	1	PCE	
209	E-D-0403-2052	DIO ZEN 0.2W 5.49-5.73V UMD2(S	...4	ZD1	UDZS TE-17 5.6B	1	PCE	
210	E-D-0403-2049	DIO SW 0.215A 75V SOT-23 SE. BC 0 %	...4 204520700207	D14	BAV99,235	1	PCE	
211	E-D-0403-2049	DIO SW 0.215A 75V SOT-23 SE. BD 0 %	...4 204520700207	D15	BAV99,235	1	PCE	
212	E-D-0403-2049	DIO SW 0.215A 75V SOT-23 SE. BE 0 %	...4 204520700207	D16	BAV99,235	1	PCE	
213	E-D-0403-2049	DIO SW 0.215A 75V SOT-23 SE. BF 0 %	...4 204520700207	D17	BAV99,235	1	PCE	
214	E-D-0403-2049	DIO SW 0.215A 75V SOT-23 SE. BG 0 %	...4 204520700207	D18	BAV99,235	1	PCE	
215	E-D-0403-2049	DIO SW 0.215A 75V SOT-23 SE. BH 0 %	...4 204520700207	D19	BAV99,235	1	PCE	
216	E-D-0403-2049	DIO SW 0.215A 75V SOT-23 SE. BI 0 %	...4 204520700207	D20	BAV99,235	1	PCE	
217	E-D-0403-2050	DIO SW 0.2A 70V SOT-23 SE. BC 0	...4	D14	BAV99	1	PCE	
218	E-D-0403-2050	DIO SW 0.2A 70V SOT-23 SE. BD 0	...4	D15	BAV99	1	PCE	
219	E-D-0403-2050	DIO SW 0.2A 70V SOT-23 SE. BE 0	...4	D16	BAV99	1	PCE	
220	E-D-0403-2050	DIO SW 0.2A 70V SOT-23 SE. BF 0	...4	D17	BAV99	1	PCE	

221	E-D-0403-2050	DIO SW 0.2A 70V SOT-23 SE. BG 0	...4	D18	BAV99	1	PCE	
222	E-D-0403-2050	DIO SW 0.2A 70V SOT-23 SE. BH 0	...4	D19	BAV99	1	PCE	
223	E-D-0403-2050	DIO SW 0.2A 70V SOT-23 SE. BI 0	...4	D20	BAV99	1	PCE	
224	E-D-0403-2051	DIO SW 0.3A 75V SOT-23 SE. BC 100 %	...4 204520700239	D14	BAV99	1	PCE	
225	E-D-0403-2051	DIO SW 0.3A 75V SOT-23 SE. BD 100 %	...4 204520700239	D15	BAV99	1	PCE	
226	E-D-0403-2051	DIO SW 0.3A 75V SOT-23 SE. BE 100 %	...4 204520700239	D16	BAV99	1	PCE	
227	E-D-0403-2051	DIO SW 0.3A 75V SOT-23 SE. BF 100 %	...4 204520700239	D17	BAV99	1	PCE	
228	E-D-0403-2051	DIO SW 0.3A 75V SOT-23 SE. BG 100 %	...4 204520700239	D18	BAV99	1	PCE	
229	E-D-0403-2051	DIO SW 0.3A 75V SOT-23 SE. BH 100 %	...4 204520700239	D19	BAV99	1	PCE	
230	E-D-0403-2051	DIO SW 0.3A 75V SOT-23 SE. BI	...4	D20	BAV99	1	PCE	
231	E-D-0403-2048	DIO SW 0.215A 70V SOT-23 SE. BC 0 %	...4 204520700249	D14	BAV99	1	PCE	
232	E-D-0403-2048	DIO SW 0.215A 70V SOT-23 SE. BD 0 %	...4 204520700249	D15	BAV99	1	PCE	
233	E-D-0403-2048	DIO SW 0.215A 70V SOT-23 SE. BE 0 %	...4 204520700249	D16	BAV99	1	PCE	
234	E-D-0403-2048	DIO SW 0.215A 70V SOT-23 SE. BF 0 %	...4 204520700249	D17	BAV99	1	PCE	
235	E-D-0403-2048	DIO SW 0.215A 70V SOT-23 SE. BG 0 %	...4 204520700249	D18	BAV99	1	PCE	
236	E-D-0403-2048	DIO SW 0.215A 70V SOT-23 SE. BH 0 %	...4 204520700249	D19	BAV99	1	PCE	
237	E-D-0403-2048	DIO SW 0.215A 70V SOT-23 SE. BI 0 %	...4 204520700249	D20	BAV99	1	PCE	
238	E-D-0403-2046	DIO SW 0.15A 75V MINIMELF AV 0	...4	D1	LL4148-GS08	1	PCE	
239	E-D-0403-2046	DIO SW 0.15A 75V MINIMELF AW 0 %	...4 204810750131	D2	LL4148-GS08	1	PCE	
240	E-D-0403-2046	DIO SW 0.15A 75V MINIMELF AX 0	...4	D3	LL4148-GS08	1	PCE	
241	E-D-0403-2046	DIO SW 0.15A 75V MINIMELF AY 0	...4	D4	LL4148-GS08	1	PCE	
242	E-D-0403-2046	DIO SW 0.15A 75V MINIMELF AZ 0	...4	D5	LL4148-GS08	1	PCE	
243	E-D-0403-2046	DIO SW 0.15A 75V MINIMELF BA 0	...4	D6	LL4148-GS08	1	PCE	
244	E-D-0403-2046	DIO SW 0.15A 75V MINIMELF BB 0	...4	D7	LL4148-GS08	1	PCE	
245	E-D-0403-2047	DIO SW 0.15A 75V MINIMELF AV 100 %	...4 204810750136	D1	RLS4148 TE-11	1	PCE	
246	E-D-0403-2047	DIO SW 0.15A 75V MINIMELF AW 100 %	...4 204810750136	D2	RLS4148 TE-11	1	PCE	
247	E-D-0403-2047	DIO SW 0.15A 75V MINIMELF AX 100 %	...4 204810750136	D3	RLS4148 TE-11	1	PCE	
248	E-D-0403-2047	DIO SW 0.15A 75V MINIMELF AY 100 %	...4 204810750136	D4	RLS4148 TE-11	1	PCE	
249	E-D-0403-2047	DIO SW 0.15A 75V MINIMELF AZ 100 %	...4 204810750136	D5	RLS4148 TE-11	1	PCE	
250	E-D-0403-2047	DIO SW 0.15A 75V MINIMELF BA 100 %	...4 204810750136	D6	RLS4148 TE-11	1	PCE	
251	E-D-0403-2047	DIO SW 0.15A 75V MINIMELF BB 100 %	...4 204810750136	D7	RLS4148 TE-11	1	PCE	
252	E-D-0403-1467	DIO SW 0.1A 80V UMD2(SOD-323)	...4	D10	1SS355 TE-17	1	PCE	
253	E-D-0403-1467	DIO SW 0.1A 80V UMD2(SOD-323)	...4	D11	1SS355 TE-17	1	PCE	
254	E-D-0403-1467	DIO SW 0.1A 80V UMD2(SOD-323)	...4	D12	1SS355 TE-17	1	PCE	
255	E-D-0403-1467	DIO SW 0.1A 80V UMD2(SOD-323)	...4	D13	1SS355 TE-17	1	PCE	
256	E-D-0403-1467	DIO SW 0.1A 80V UMD2(SOD-323)	...4	D8	1SS355 TE-17	1	PCE	
257	E-D-0403-1467	DIO SW 0.1A 80V UMD2(SOD-323)	...4	D9	1SS355 TE-17	1	PCE	
258	E-Q-0402-7019	TR 40V 0.6A SOT-23 80 AO 100 %	...4	Q10	MMBT4401LT1	1	PCE	
259	E-Q-0402-7019	TR 40V 0.6A SOT-23 80 AQ 100 %	...4	Q16	MMBT4401LT1	1	PCE	
260	E-Q-0402-7019	TR 40V 0.6A SOT-23 80 AM 100 %	...4	Q6	MMBT4401LT1	1	PCE	
261	E-Q-0402-7020	TR 40V 1.0A SOT-23 80 AO 0 %	...4	Q10	MMBT4401	1	PCE	
262	E-Q-0402-7020	TR 40V 1.0A SOT-23 80 AQ 0 %	...4	Q16	MMBT4401	1	PCE	
263	E-Q-0402-7020	TR 40V 1.0A SOT-23 80 AM 0 %	...4	Q6	MMBT4401	1	PCE	
264		TR 50V 0.03A SMT3 56 AC 100 %	...4	Q9	DTC144WKA	1	PCE	
265		TR 50V 0.1A 2-3F1A 70 AC 0 %	...4	Q9	RN1409(TE85L)	1	PCE	
266	E-Q-0402-7018	TR -40V -0.6A SOT-23 100 AT 100	...4	Q11	MMBT4403LT1	1	PCE	
267	E-Q-0402-7018	TR -40V -0.6A SOT-23 100 AU 100	...4	Q17	MMBT4403LT1	1	PCE	
268	E-Q-0402-7021	TR -40V -0.8A SOT-23 100 AT 0 %	...4	Q11	MMBT4403	1	PCE	
269	E-Q-0402-7021	TR -40V -0.8A SOT-23 100 AU 0	...4	Q17	MMBT4403	1	PCE	
270		TR -50V -0.1A 2-3F1A 50AB 100 %	...4	Q7	RN2402(T5L)	1	PCE	
271		TR -50V -0.5A CP 50AB 0 %	...4	Q7	2SA1518-TB	1	PCE	
272	E-Q-0402-1554	FET 60V 0.115A 7.5ohm SOT-23 AE 100 %	...4 242522500005	Q2	2N7002LT1	1	PCE	

273	E-Q-0402-1554	FET 60V 0.115A 7.5ohm SOT-23 AI 100 %	...4 242522500005	Q24	2N7002LT1	1	PCE	
274	E-Q-0402-1554	FET 60V 0.115A 7.5ohm SOT-23 AJ 100 %	...4 242522500005	Q25	2N7002LT1	1	PCE	
275	E-Q-0402-1554	FET 60V 0.115A 7.5ohm SOT-23 AK 100 %	...4 242522500005	Q26	2N7002LT1	1	PCE	
276	E-Q-0402-1554	FET 60V 0.115A 7.5ohm SOT-23 AL 100 %	...4 242522500005	Q27	2N7002LT1	1	PCE	
277	E-Q-0402-1554	FET 60V 0.115A 7.5ohm SOT-23 AF 100 %	...4 242522500005	Q3	2N7002LT1	1	PCE	
278	E-Q-0402-1554	FET 60V 0.115A 7.5ohm SOT-23 AG 100 %	...4 242522500005	Q4	2N7002LT1	1	PCE	
279	E-Q-0402-1554	FET 60V 0.115A 7.5ohm SOT-23 AH 100 %	...4 242522500005	Q5	2N7002LT1	1	PCE	
280	E-Q-0402-1553	FET 60V 0.115A 5ohm SOT-23	...4	Q1	2N7002	1	PCE	
281	E-Q-0402-1553	FET 60V 0.115A 5ohm SOT-23 AE 0 %	...4 242522500017	Q2	2N7002	1	PCE	
282	E-Q-0402-1553	FET 60V 0.115A 5ohm SOT-23 AI 0	...4	Q24	2N7002	1	PCE	
283	E-Q-0402-1553	FET 60V 0.115A 5ohm SOT-23 AJ 0	...4	Q25	2N7002	1	PCE	
284	E-Q-0402-1553	FET 60V 0.115A 5ohm SOT-23 AK 0 %	...4 242522500017	Q26	2N7002	1	PCE	
285	E-Q-0402-1553	FET 60V 0.115A 5ohm SOT-23 AL 0	...4	Q27	2N7002	1	PCE	
286	E-Q-0402-1553	FET 60V 0.115A 5ohm SOT-23 AF 0 %	...4 242522500017	Q3	2N7002	1	PCE	
287	E-Q-0402-1553	FET 60V 0.115A 5ohm SOT-23 AG 0 %	...4 242522500017	Q4	2N7002	1	PCE	
288	E-Q-0402-1553	FET 60V 0.115A 5ohm SOT-23 AH 0 %	...4 242522500017	Q5	2N7002	1	PCE	
289	E-Q-0402-1553	FET 60V 0.115A 5ohm SOT-23	...4	Q8	2N7002	1	PCE	
290	E-Q-0402-1555	FET 60V 0.115A 7.5ohm SOT-23 AE 0 %	...4 242522500031	Q2	2N7002-T1	1	PCE	
291	E-Q-0402-1555	FET 60V 0.115A 7.5ohm SOT-23 AI 0 %	...4 242522500031	Q24	2N7002-T1	1	PCE	
292	E-Q-0402-1555	FET 60V 0.115A 7.5ohm SOT-23 AJ 0 %	...4 242522500031	Q25	2N7002-T1	1	PCE	
293	E-Q-0402-1555	FET 60V 0.115A 7.5ohm SOT-23 AK 0 %	...4 242522500031	Q26	2N7002-T1	1	PCE	
294	E-Q-0402-1555	FET 60V 0.115A 7.5ohm SOT-23 AL 0 %	...4 242522500031	Q27	2N7002-T1	1	PCE	
295	E-Q-0402-1555	FET 60V 0.115A 7.5ohm SOT-23 AF 0 %	...4 242522500031	Q3	2N7002-T1	1	PCE	
296	E-Q-0402-1555	FET 60V 0.115A 7.5ohm SOT-23 AG 0 %	...4 242522500031	Q4	2N7002-T1	1	PCE	
297	E-Q-0402-1555	FET 60V 0.115A 7.5ohm SOT-23 AH 0 %	...4 242522500031	Q5	2N7002-T1	1	PCE	
298	E-Q-0402-1547	FET 30V 3.9A 0.065ohm SO-8 N+P BJ 100 %	...4 242601000117	IC2	SI4532DY	1	PCE	
299	E-Q-0402-1547	FET 30V 3.9A 0.065ohm SO-8 N+P BK 100 %	...4 242601000117	IC3	SI4532DY	1	PCE	
300	E-Q-0402-1547	FET 30V 3.9A 0.065ohm SO-8 N+P BL 100 %	...4 242601000117	IC4	SI4532DY	1	PCE	
301	E-Q-0402-1547	FET 30V 3.9A 0.065ohm SO-8 N+P BM 100 %	...4 242601000117	IC5	SI4532DY	1	PCE	
302	E-Q-0402-1548	FET 30V 3.9A 0.065ohm SO-8 N+P BJ 0 %	...4 242601000131	IC2	SI4532DY-T1	1	PCE	
303	E-Q-0402-1548	FET 30V 3.9A 0.065ohm SO-8 N+P BK 0 %	...4 242601000131	IC3	SI4532DY-T1	1	PCE	
304	E-Q-0402-1548	FET 30V 3.9A 0.065ohm SO-8 N+P BL 0 %	...4 242601000131	IC4	SI4532DY-T1	1	PCE	
305	E-Q-0402-1548	FET 30V 3.9A 0.065ohm SO-8 N+P BM 0 %	...4 242601000131	IC5	SI4532DY-T1	1	PCE	
306	E-IC-0401-2520	IC PWM CCFL CONTROLLER SSOP-20	...4 2510301154	IC1	OZ960S	1	PCE	
307		INVRTER X'FMR UI-11.7	...4 2801969300	T1	00A-1094	1	PCE	
308		BOBBIN BASE UI11.7 LCP H-SMD-1	....5 3184980000		H-SMD-10	1	PCE	
309		TAPE W=3 #1350 3M AC 0 %	....5 3220102010			0.008	MTR	
310		TAPE W=3 PZ-280 PERSSURE AC 100 %	....5 3220102024			0.008	MTR	
311		TAPE W=16 KA180 4P AA 0 %	....5 3220703611		KA180 W=16	0.08	MTR	
312		TAPE W=16 PB-416F AA 100 %	....5 3220703622		PB-416F W=16	0.08	MTR	
313		TAPE #92 W=16 3M AA 0 %	....5 3220704710		#92 W=16 3M	0.08	MTR	
314		COVER TAPE FOR REEL	....5 3520146300		#2666	0.016	MTR	
315		PML FOR INVERTER	....5 3520456400			1	PCE	
316		PAD EPE (ESD) 357*270*8	.....6 ...3500533800			0.023	PCE	
317	P-BX-0601-0689	CARTON D-2 391*301*205	.....6 ...3510090100			0.001	PCE	

318		PAPER PAD 365*270*5	.....6 ...3510142200			0.023	PCE	
319		TRAY PVC	.....6 ...3520386000			0.012	PCE	
320		WIRE CU 0.04 IEC317 G3 NAT(3KV	....5 4010011301		PN155C 0.04 G3	0.56	GRM	
321		WIRE CU .2 2UEWN NAT 130C AB 0 %	....5 4011170007		0.2 2UEWN NAT 130C	0.25	GRM	
322		WIRE CU .2 2UEWN NAT AB 100	....5 4011170009			0.25	GRM	
323	M-MS-0808-5448	EPOXY ADHESIVE EP391 EPOLAB	....5 4020130400		EP391-5	0.05	GRM	
324	M-MS-0808-5150	THINNER OF FLUX A83 ADDITIVE	....5 4020201200		#425	0.016	GRM	
325	M-MS-0808-5151	FLUX A83 ALPHA	....5 4020204800		A83	0.008	GRM	
326	M-MS-0808-5165	INK BLACK	....5 4020500500			0.008	GRM	
327	M-MS-0808-5169	SOLDER BAR 50/50	....5 4090003700		SB50AO	0.131	GRM	
328	E-L-0407-1549	CORE FERI UI1222 2G8 UI=2300 BB 0 %	....5 4133010800		2G8 UIS-11.7*21	1	PST	
329	E-L-0407-1550	CORE FERI UI1222 P4 UI=2500BB 100 %	....5 4133015300		UI11.7 P4	1	NPR	
330		INVRTER X'FMR UI-11.7	...4 2801969300	T2	00A-1094	1	PCE	
331		BOBBIN BASE UI11.7 LCP H-SMD-1	....5 3184980000		H-SMD-10	1	PCE	
332		TAPE W=3 #1350 3M AC 0 %	....5 3220102010			0.008	MTR	
333		TAPE W=3 PZ-280 PERSSURE AC 100 %	....5 3220102024			0.008	MTR	
334		TAPE W=16 KA180 4P AA 0 %	....5 3220703611		KA180 W=16	0.08	MTR	
335		TAPE W=16 PB-416F AA 100 %	....5 3220703622		PB-416F W=16	0.08	MTR	
336		TAPE #92 W=16 3M AA 0 %	....5 3220704710		#92 W=16 3M	0.08	MTR	
337		COVER TAPE FOR REEL	....5 3520146300		#2666	0.016	MTR	
338		PML FOR INVERTER	....5 3520456400			1	PCE	
339		PAD EPE (ESD) 357*270*8	.....6 ...3500533800			0.023	PCE	
340	P-BX-0601-0689	CARTON D-2 391*301*205	.....6 ...3510090100			0.001	PCE	
341		PAPER PAD 365*270*5	.....6 ...3510142200			0.023	PCE	
342		TRAY PVC	.....6 ...3520386000			0.012	PCE	
343		WIRE CU 0.04 IEC317 G3 NAT(3KV	....5 4010011301		PN155C 0.04 G3	0.56	GRM	
344		WIRE CU .2 2UEWN NAT 130C AB 0 %	....5 4011170007		0.2 2UEWN NAT 130C	0.25	GRM	
345		WIRE CU .2 2UEWN NAT AB 100	....5 4011170009			0.25	GRM	
346	M-MS-0808-5448	EPOXY ADHESIVE EP391 EPOLAB	....5 4020130400		EP391-5	0.05	GRM	
347	M-MS-0808-5150	THINNER OF FLUX A83 ADDITIVE	....5 4020201200		#425	0.016	GRM	
348	M-MS-0808-5151	FLUX A83 ALPHA	....5 4020204800		A83	0.008	GRM	
349	M-MS-0808-5165	INK BLACK	....5 4020500500			0.008	GRM	
350	M-MS-0808-5169	SOLDER BAR 50/50	....5 4090003700		SB50AO	0.131	GRM	
351	E-L-0407-1549	CORE FERI UI1222 2G8 UI=2300 BB 0 %	....5 4133010800		2G8 UIS-11.7*21	1	PST	
352	E-L-0407-1550	CORE FERI UI1222 P4 UI=2500BB 100 %	....5 4133015300		UI11.7 P4	1	NPR	
353		INVRTER X'FMR UI-11.7	...4 2801969300	T3	00A-1094	1	PCE	
354		BOBBIN BASE UI11.7 LCP H-SMD-1	....5 3184980000		H-SMD-10	1	PCE	
355		TAPE W=3 #1350 3M AC 0 %	....5 3220102010			0.008	MTR	
356		TAPE W=3 PZ-280 PERSSURE AC 100 %	....5 3220102024			0.008	MTR	
357		TAPE W=16 KA180 4P AA 0 %	....5 3220703611		KA180 W=16	0.08	MTR	
358		TAPE W=16 PB-416F AA 100 %	....5 3220703622		PB-416F W=16	0.08	MTR	
359		TAPE #92 W=16 3M AA 0 %	....5 3220704710		#92 W=16 3M	0.08	MTR	
360		COVER TAPE FOR REEL	....5 3520146300		#2666	0.016	MTR	
361		PML FOR INVERTER	....5 3520456400			1	PCE	
362		PAD EPE (ESD) 357*270*8	.....6 ...3500533800			0.023	PCE	
363	P-BX-0601-0689	CARTON D-2 391*301*205	.....6 ...3510090100			0.001	PCE	
364		PAPER PAD 365*270*5	.....6 ...3510142200			0.023	PCE	
365		TRAY PVC	.....6 ...3520386000			0.012	PCE	
366		WIRE CU 0.04 IEC317 G3 NAT(3KV	....5 4010011301		PN155C 0.04 G3	0.56	GRM	
367		WIRE CU .2 2UEWN NAT 130C AB 0 %	....5 4011170007		0.2 2UEWN NAT 130C	0.25	GRM	
368		WIRE CU .2 2UEWN NAT AB 100	....5 4011170009			0.25	GRM	
369	M-MS-0808-5448	EPOXY ADHESIVE EP391 EPOLAB	....5 4020130400		EP391-5	0.05	GRM	
370	M-MS-0808-5150	THINNER OF FLUX A83 ADDITIVE	....5 4020201200		#425	0.016	GRM	
371	M-MS-0808-5151	FLUX A83 ALPHA	....5 4020204800		A83	0.008	GRM	
372	M-MS-0808-5165	INK BLACK	....5 4020500500			0.008	GRM	
373	M-MS-0808-5169	SOLDER BAR 50/50	....5 4090003700		SB50AO	0.131	GRM	
374	E-L-0407-1549	CORE FERI UI1222 2G8 UI=2300 BB 0 %	....5 4133010800		2G8 UIS-11.7*21	1	PST	
375	E-L-0407-1550	CORE FERI UI1222 P4 UI=2500BB 100 %	....5 4133015300		UI11.7 P4	1	NPR	
376		INVRTER X'FMR UI-11.7	...4 2801969300	T4	00A-1094	1	PCE	
377		BOBBIN BASE UI11.7 LCP H-SMD-1	....5 3184980000		H-SMD-10	1	PCE	
378		TAPE W=3 #1350 3M AC 0 %	....5 3220102010			0.008	MTR	
379		TAPE W=3 PZ-280 PERSSURE AC 100 %	....5 3220102024			0.008	MTR	
380		TAPE W=16 KA180 4P AA 0 %	....5 3220703611		KA180 W=16	0.08	MTR	

381		TAPE W=16 PB-416F AA 100 %	....5 3220703622		PB-416F W=16	0.08	MTR	
382		TAPE #92 W=16 3M AA 0 %	....5 3220704710		#92 W=16 3M	0.08	MTR	
383		COVER TAPE FOR REEL	....5 3520146300		#2666	0.016	MTR	
384		PML FOR INVERTER	....5 3520456400			1	PCE	
385		PAD EPE (ESD) 357*270*8	.....6 ...3500533800			0.023	PCE	
386	P-BX-0601-0689	CARTON D-2 391*301*205	.....6 ...3510090100			0.001	PCE	
387		PAPER PAD 365*270*5	.....6 ...3510142200			0.023	PCE	
388		TRAY PVC	.....6 ...3520386000			0.012	PCE	
389		WIRE CU 0.04 IEC317 G3 NAT(3KV	....5 4010011301		PN155C 0.04 G3	0.56	GRM	
390		WIRE CU .2 2UEWN NAT 130C AB 0 %	....5 4011170007		0.2 2UEWN NAT 130C	0.25	GRM	
391		WIRE CU .2 2UEWN NAT AB 100	....5 4011170009			0.25	GRM	
392	M-MS-0808-5448	EPOXY ADHESIVE EP391 EPOLAB	....5 4020130400		EP391-5	0.05	GRM	
393	M-MS-0808-5150	THINNER OF FLUX A83 ADDITIVE	....5 4020201200		#425	0.016	GRM	
394	M-MS-0808-5151	FLUX A83 ALPHA	....5 4020204800		A83	0.008	GRM	
395	M-MS-0808-5165	INK BLACK	....5 4020500500			0.008	GRM	
396	M-MS-0808-5169	SOLDER BAR 50/50	....5 4090003700		SB50AO	0.131	GRM	
397	E-L-0407-1549	CORE FERI UI1222 2G8 UI=2300 BB 0 %	....5 4133010800		2G8 UIS-11.7*21	1	PST	
398	E-L-0407-1550	CORE FERI UI1222 P4 UI=2500BB 100 %	....5 4133015300		UI11.7 P4	1	NPR	
399		INVRTER X'FMR UI-11.7	...4 2801969300	T5	00A-1094	1	PCE	
400		BOBBIN BASE UI11.7 LCP H-SMD-1	....5 3184980000		H-SMD-10	1	PCE	
401		TAPE W=3 #1350 3M AC 0 %	....5 3220102010			0.008	MTR	
402		TAPE W=3 PZ-280 PERSSURE AC 100 %	....5 3220102024			0.008	MTR	
403		TAPE W=16 KA180 4P AA 0 %	....5 3220703611		KA180 W=16	0.08	MTR	
404		TAPE W=16 PB-416F AA 100 %	....5 3220703622		PB-416F W=16	0.08	MTR	
405		TAPE #92 W=16 3M AA 0 %	....5 3220704710		#92 W=16 3M	0.08	MTR	
406		COVER TAPE FOR REEL	....5 3520146300		#2666	0.016	MTR	
407		PML FOR INVERTER	....5 3520456400			1	PCE	
408		PAD EPE (ESD) 357*270*8	.....6 ...3500533800			0.023	PCE	
409	P-BX-0601-0689	CARTON D-2 391*301*205	.....6 ...3510090100			0.001	PCE	
410		PAPER PAD 365*270*5	.....6 ...3510142200			0.023	PCE	
411		TRAY PVC	.....6 ...3520386000			0.012	PCE	
412		WIRE CU 0.04 IEC317 G3 NAT(3KV	....5 4010011301		PN155C 0.04 G3	0.56	GRM	
413		WIRE CU .2 2UEWN NAT 130C AB 0 %	....5 4011170007		0.2 2UEWN NAT 130C	0.25	GRM	
414		WIRE CU .2 2UEWN NAT AB 100	....5 4011170009			0.25	GRM	
415	M-MS-0808-5448	EPOXY ADHESIVE EP391 EPOLAB	....5 4020130400		EP391-5	0.05	GRM	
416	M-MS-0808-5150	THINNER OF FLUX A83 ADDITIVE	....5 4020201200		#425	0.016	GRM	
417	M-MS-0808-5151	FLUX A83 ALPHA	....5 4020204800		A83	0.008	GRM	
418	M-MS-0808-5165	INK BLACK	....5 4020500500			0.008	GRM	
419	M-MS-0808-5169	SOLDER BAR 50/50	....5 4090003700		SB50AO	0.131	GRM	
420	E-L-0407-1549	CORE FERI UI1222 2G8 UI=2300 BB 0 %	....5 4133010800		2G8 UIS-11.7*21	1	PST	
421	E-L-0407-1550	CORE FERI UI1222 P4 UI=2500BB 100 %	....5 4133015300		UI11.7 P4	1	NPR	
422		INVRTER X'FMR UI-11.7	...4 2801969300	T6	00A-1094	1	PCE	
423		BOBBIN BASE UI11.7 LCP H-SMD-1	....5 3184980000		H-SMD-10	1	PCE	
424		TAPE W=3 #1350 3M AC 0 %	....5 3220102010			0.008	MTR	
425		TAPE W=3 PZ-280 PERSSURE AC 100 %	....5 3220102024			0.008	MTR	
426		TAPE W=16 KA180 4P AA 0 %	....5 3220703611		KA180 W=16	0.08	MTR	
427		TAPE W=16 PB-416F AA 100 %	....5 3220703622		PB-416F W=16	0.08	MTR	
428		TAPE #92 W=16 3M AA 0 %	....5 3220704710		#92 W=16 3M	0.08	MTR	
429		COVER TAPE FOR REEL	....5 3520146300		#2666	0.016	MTR	
430		PML FOR INVERTER	....5 3520456400			1	PCE	
431		PAD EPE (ESD) 357*270*8	.....6 ...3500533800			0.023	PCE	
432	P-BX-0601-0689	CARTON D-2 391*301*205	.....6 ...3510090100			0.001	PCE	
433		PAPER PAD 365*270*5	.....6 ...3510142200			0.023	PCE	
434		TRAY PVC	.....6 ...3520386000			0.012	PCE	
435		WIRE CU 0.04 IEC317 G3 NAT(3KV	....5 4010011301		PN155C 0.04 G3	0.56	GRM	
436		WIRE CU .2 2UEWN NAT 130C AB 0 %	....5 4011170007		0.2 2UEWN NAT 130C	0.25	GRM	
437		WIRE CU .2 2UEWN NAT AB 100	....5 4011170009			0.25	GRM	
438	M-MS-0808-5448	EPOXY ADHESIVE EP391 EPOLAB	....5 4020130400		EP391-5	0.05	GRM	
439	M-MS-0808-5150	THINNER OF FLUX A83 ADDITIVE	....5 4020201200		#425	0.016	GRM	
440	M-MS-0808-5151	FLUX A83 ALPHA	....5 4020204800		A83	0.008	GRM	
441	M-MS-0808-5165	INK BLACK	....5 4020500500			0.008	GRM	
442	M-MS-0808-5169	SOLDER BAR 50/50	....5 4090003700		SB50AO	0.131	GRM	
443	E-L-0407-1549	CORE FERI UI1222 2G8 UI=2300 BB 0 %	....5 4133010800		2G8 UIS-11.7*21	1	PST	
444	E-L-0407-1550	CORE FERI UI1222 P4 UI=2500BB 100 %	....5 4133015300		UI11.7 P4	1	NPR	

445		PWB SD 0 FR-4 179*40*1.6 DAC-1	...4 2994711503	PCB		1	PCE	
446		HEADER NY66 94V0 2PIN BN 0 %	...4 3070075000	CN2	SM02B-BHSS-1	1	PCE	
447		HEADER NY66 94V0 2PIN BO 0 %	...4 3070075000	CN3	SM02B-BHSS-1	1	PCE	
448		HEADER NY66 94V0 2PIN BP 0 %	...4 3070075000	CN4	SM02B-BHSS-1	1	PCE	
449		HEADER NY66 94V0 2PIN BQ 0 %	...4 3070075000	CN5	SM02B-BHSS-1	1	PCE	
450		HEADER NY66 94V0 2PIN BR 0 %	...4 3070075000	CN6	SM02B-BHSS-1	1	PCE	
451		HEADER NY66 94V0 2PIN BS 0 %	...4 3070075000	CN7	SM02B-BHSS-1	1	PCE	
452		HEADER NYLON46 94V0 2PIN SMD BN 100 %	...4 3070075166	CN2	87210-0208	1	PCE	
453		HEADER NYLON46 94V0 2PIN SMD BO 100 %	...4 3070075166	CN3	87210-0208	1	PCE	
454		HEADER NYLON46 94V0 2PIN SMD BP 100 %	...4 3070075166	CN4	87210-0208	1	PCE	
455		HEADER NYLON46 94V0 2PIN SMD BQ 100 %	...4 3070075166	CN5	87210-0208	1	PCE	
456		HEADER NYLON46 94V0 2PIN SMD BR 100 %	...4 3070075166	CN6	87210-0208	1	PCE	
457		HEADER NYLON46 94V0 2PIN SMD BS 100 %	...4 3070075166	CN7	87210-0208	1	PCE	
458		HEADER HOUSING 94V0 2P P3.5 R BN 0 %	...4 3076790083	CN2	Feb-00	1	PCE	
459		HEADER HOUSING 94V0 2P P3.5 R BO 0 %	...4 3076790083	CN3	Feb-00	1	PCE	
460		HEADER HOUSING 94V0 2P P3.5 R BP 0 %	...4 3076790083	CN4	Feb-00	1	PCE	
461		HEADER HOUSING 94V0 2P P3.5 R BQ 0 %	...4 3076790083	CN5	Feb-00	1	PCE	
462		HEADER HOUSING 94V0 2P P3.5 R BR 0 %	...4 3076790083	CN6	Feb-00	1	PCE	
463		HEADER HOUSING 94V0 2P P3.5 R BS 0 %	...4 3076790083	CN7	Feb-00	1	PCE	
464	E-R-0405-7040	RES CH 1/10W 62K F 0603	...4 .....X034005500	R21	2322 704 66203	1	PCE	
465	M-MS-0808-6083	WARRANTY CARD COLOR KEY VSC 10	1 5012016100			1	PCE	
466	M-LCD-0826-0124	LCD 18.0" TFT PANEL	1 5051800501		M180E1-L03	1	PCE	
467	B-KB-0207-0023	KEY PAD BOARD	1 5600200090			1	PCE	
468		RES CH 1/10W 1K J 0603	.2 0343102300	RK13	2322 702 60102	1	PCE	
469		RES CH 1/10W 1K J 0603	.2 0343102300	RK8	2322 702 60102	1	PCE	
470		RES CH 1/10W 470 J 0603	.2 0343471300	RK4	2322 702 60471	1	PCE	
471		RES CH 1/10W 470 J 0603	.2 0343471300	RK9	2322 702 60471	1	PCE	
472		RES CH 1/10W 4.7K J 0603	.2 0343472300	RK11	2322 702 60472	1	PCE	
473		RES CH 1/10W 4.7K J 0603	.2 0343472300	RK7	2322 702 60472	1	PCE	
474	E-D-0403-2047	DIO SW 0.15A 75V MINIMELF	.2	DK2	RLS4148 TE-11	1	PCE	
475	E-D-0403-2047	DIO SW 0.15A 75V MINIMELF	.2	DK36	RLS4148 TE-11	1	PCE	
476		TR -40V -0.2A SOT-23 100-300 AA 100 %	.2 211522000205	QK1	MMBT3906LT1	1	PCE	
477		TR -40V -0.2A SOT-23 100-300 AB 100 %	.2 211522000205	QK2	MMBT3906LT1	1	PCE	
478	E-Q-0402-7017	TR -40V -0.2A SOT-23 100-300 AA 0 %	.2 211522000217	QK1	MMBT3906	1	PCE	
479	E-Q-0402-7017	TR -40V -0.2A SOT-23 100-300 AB 0 %	.2 211522000217	QK2	MMBT3906	1	PCE	
480	M-MS-0808-8179	LED HI-RED/GRN 3*4*2 C.C.	.2 2301462531	DK1	L-91WEGW	1	PCE	
481	E-L-0407-1544	CHIP INDUCTOR 10uH K 0805	.2 2923220212	LK1	MLI-201212-100K	1	PCE	
482	B-KB-0207-0026	PWB D0 L2 FR-4 18.5*180 (KEY B	.2 2973006601			1	PCE	
483		SWITCH TACTILE FORWARD	.2 3000092616	SK1	JTP1230A	1	PCE	
484		SWITCH TACTILE FORWARD	.2 3000092616	SK2	JTP1230A	1	PCE	
485		SWITCH TACTILE FORWARD	.2 3000092616	SK3	JTP1230A	1	PCE	
486		SWITCH TACTILE FORWARD	.2 3000092616	SK4	JTP1230A	1	PCE	
487		SWITCH TACTILE FORWARD	.2 3000092616	SK5	JTP1230A	1	PCE	
488		SWITCH TACTILE FORWARD	.2 3000092616	SK6	JTP1230A	1	PCE	
489		SWITCH TACTILE FORWARD	.2 3000092616	SK7	JTP1230A	1	PCE	
490		SWITCH TACTILE FORWARD	.2 3000092616	SK8	JTP1230A	1	PCE	
491		HEADER NY66 94V0 AC 100 %	.2 3070106300	JK1	53048-1310	1	PCE	
492		HEADER NY66 94V-0 13P=1.25 R AC 0 %	.2 3070106334	JK1	A1251WR0-13P	1	PCE	
493		HOLDER FOR LED NY66 UL94V-2	.2 3122009500	DT1		1	PCE	
494	B-AC-0215-0031	AUDIO BOARD	1 5600200091			1	PCE	
495		RES CH 1/10W 1K F 0603	.2 0341041300	RA5	2322 704 61002	1	PCE	
496		RES CH 1/8W 2.4K F 0805	.2 0341046100	RA3	2322 734 62402	1	PCE	
497		RES CH 1/10W 1K J 0603	.2 0343102300	RA32	2322 702 60102	1	PCE	
498		RES CH 1/10W 1K J 0603	.2 0343102300	RA33	2322 702 60102	1	PCE	
499		RES CH 1/10W 10K J 0603	.2 0343103300	RA37	ERJ-3GEYJ 103	1	PCE	
500		RES CH 1/10W 10K J 0603	.2 0343103300	RA42	ERJ-3GEYJ 103	1	PCE	
501		RES CH 1/10W 10K J 0603	.2 0343103300	RA43	ERJ-3GEYJ 103	1	PCE	

502		RES CH 1/10W 10K J 0603	.2 0343103300	RA44	ERJ-3GEYJ 103	1	PCE	
503		RES CH 1/10W 22 J 0603	.2 0343220300	RA1	2322 702 60229	1	PCE	
504		RES CH 1/10W 22 J 0603	.2 0343220300	RA2	2322 702 60229	1	PCE	
505		RES CH 1/10W 220 J 0603	.2 0343221300	RA34	ERJ-3GEYJ 221	1	PCE	
506		RES CH 1/10W 220 J 0603	.2 0343221300	RA35	ERJ-3GEYJ 221	1	PCE	
507		RES CH 1/10W 2.2K J 0603	.2 0343222300	RA8	2322 702 60222	1	PCE	
508		RES CH 1/10W 2.2K J 0603	.2 0343222300	RA9	2322 702 60222	1	PCE	
509		RES CH 1/10W 3.3K J 0603	.2 0343332300	RA40	2322 702 60332	1	PCE	
510		RES CH 1/10W 3.3K J 0603	.2 0343332300	RA41	2322 702 60332	1	PCE	
511		RES CH 1/10W 4.7K J 0603	.2 0343472300	RA47	2322 702 60472	1	PCE	
512		RES CH 1/10W 4.7K J 0603	.2 0343472300	RA48	2322 702 60472	1	PCE	
513		RES CH 1/10W 47K J 0603	.2 0343473300	RA36	2322 702 60473	1	PCE	
514		RES CH 1/10W 47K J 0603	.2 0343473300	RA39	2322 702 60473	1	PCE	
515		RES CH 1/10W 5.6K J 0603	.2 0343562300	RA10	2322 702 60562	1	PCE	
516		RES CH 1/10W 5.6K J 0603	.2 0343562300	RA11	2322 702 60562	1	PCE	
517		RES CH 1/10W 5.6K J 0603	.2 0343562300	RA6	2322 702 60562	1	PCE	
518		RES CH 1/10W 5.6K J 0603	.2 0343562300	RA7	2322 702 60562	1	PCE	
519	E-C-0404-4857	CAP AL CP 16V 47U M 6.3*5.4	.2 148124701303	CA10	UWX1C470MCR1 GB	1	PCE	
520	E-C-0404-4857	CAP AL CP 16V 47U M 6.3*5.4	.2 148124701303	CA2	UWX1C470MCR1 GB	1	PCE	
521	E-C-0404-4857	CAP AL CP 16V 47U M 6.3*5.4	.2 148124701303	CA21	UWX1C470MCR1 GB	1	PCE	
522	E-C-0404-4857	CAP AL CP 16V 47U M 6.3*5.4	.2 148124701303	CA22	UWX1C470MCR1 GB	1	PCE	
523	E-C-0404-4857	CAP AL CP 16V 47U M 6.3*5.4	.2 148124701303	CA39	UWX1C470MCR1 GB	1	PCE	
524	E-C-0404-4857	CAP AL CP 16V 47U M 6.3*5.4	.2 148124701303	CA8	UWX1C470MCR1 GB	1	PCE	
525	E-C-0404-4860	CAP AL CP 25V 4.7U M 4*5.5	.2 148144781103	CA25	UWX1E4R7MCR 1GB	1	PCE	
526	E-C-0404-4860	CAP AL CP 25V 4.7U M 4*5.5	.2 148144781103	CA30	UWX1E4R7MCR 1GB	1	PCE	
527	E-C-0404-4860	CAP AL CP 25V 4.7U M 4*5.5	.2 148144781103	CA35	UWX1E4R7MCR 1GB	1	PCE	
528	E-C-0404-4860	CAP AL CP 25V 4.7U M 4*5.5	.2 148144781103	CA40	UWX1E4R7MCR 1GB	1	PCE	
529	E-C-0404-4856	CAP AL CP 16V 470U M 8*10	.2 149124711433	CA26	UWT1C471MNR1 GS	1	PCE	
530	E-C-0404-4856	CAP AL CP 16V 470U M 8*10	.2 149124711433	CA29	UWT1C471MNR1 GS	1	PCE	
531	E-C-0404-4859	CAP AL CP 25V 10U M 5*5.7	.2	CA13	UUT1E100MCR1	1	PCE	
532	E-C-0404-4859	CAP AL CP 25V 10U M 5*5.7	.2	CA18	UUT1E100MCR1	1	PCE	
533	E-C-0404-4859	CAP AL CP 25V 10U M 5*5.7	.2	CA19	UUT1E100MCR1	1	PCE	
534	E-C-0404-4859	CAP AL CP 25V 10U M 5*5.7	.2	CA27	UUT1E100MCR1	1	PCE	
535	E-C-0404-4859	CAP AL CP 25V 10U M 5*5.7	.2	CA3	UUT1E100MCR1	1	PCE	
536	E-C-0404-4859	CAP AL CP 25V 10U M 5*5.7	.2	CA6	UUT1E100MCR1	1	PCE	
537	E-C-0404-4879	CAP MC CP 50V 2.7KP J X7R 0603	.2 1511477000	CA4	2238 586 15528	1	PCE	
538	E-C-0404-4879	CAP MC CP 50V 2.7KP J X7R 0603	.2 1511477000	CA5	2238 586 15528	1	PCE	
539	E-C-0404-4874	CAP MC CP 50V 100P J C0G 0603	.2 1511530000	CA31	C0603N101J050T	1	PCE	
540	E-C-0404-4874	CAP MC CP 50V 100P J C0G 0603	.2 1511530000	CA32	C0603N101J050T	1	PCE	
541	E-C-0404-4874	CAP MC CP 50V 100P J C0G 0603	.2 1511530000	CA33	C0603N101J050T	1	PCE	
542	E-C-0404-4874	CAP MC CP 50V 100P J C0G 0603	.2 1511530000	CA34	C0603N101J050T	1	PCE	
543	E-C-0404-4875	CAP MC CP 50V 1KP J C0G 0603	.2 1511545000	CA23	C1608C0G1H102	1	PCE	
544	E-C-0404-4875	CAP MC CP 50V 1KP J C0G 0603	.2 1511545000	CA24	C1608C0G1H102	1	PCE	
545	E-C-0404-4497	CAP MC CP 50V .1U Z Y5V 0603	.2 1517658000	CA1	2238 586 19812	1	PCE	
546	E-C-0404-4497	CAP MC CP 50V .1U Z Y5V 0603	.2 1517658000	CA11	2238 586 19812	1	PCE	
547	E-C-0404-4497	CAP MC CP 50V .1U Z Y5V 0603	.2 1517658000	CA12	2238 586 19812	1	PCE	
548	E-C-0404-4497	CAP MC CP 50V .1U Z Y5V 0603	.2 1517658000	CA14	2238 586 19812	1	PCE	
549	E-C-0404-4497	CAP MC CP 50V .1U Z Y5V 0603	.2 1517658000	CA15	2238 586 19812	1	PCE	
550	E-C-0404-4497	CAP MC CP 50V .1U Z Y5V 0603	.2 1517658000	CA16	2238 586 19812	1	PCE	
551	E-C-0404-4497	CAP MC CP 50V .1U Z Y5V 0603	.2 1517658000	CA17	2238 586 19812	1	PCE	
552	E-C-0404-4497	CAP MC CP 50V .1U Z Y5V 0603	.2 1517658000	CA20	2238 586 19812	1	PCE	
553	E-C-0404-4497	CAP MC CP 50V .1U Z Y5V 0603	.2 1517658000	CA28	2238 586 19812	1	PCE	
554	E-C-0404-4497	CAP MC CP 50V .1U Z Y5V 0603	.2 1517658000	CA7	2238 586 19812	1	PCE	
555	E-C-0404-4497	CAP MC CP 50V .1U Z Y5V 0603	.2 1517658000	CA9	2238 586 19812	1	PCE	
556	E-D-0403-2053	DIO ZEN 0.5W 5.45-5.73V LLDS(M	.2	DA6	RLZ TE-11 5.6B	1	PCE	
557	E-D-0403-2054	DIO ZEN 0.5W 6.66-7.01V LLDS(M	.2	DA1	RLZ TE-11 6.8C	1	PCE	
558	E-D-0403-2054	DIO ZEN 0.5W 6.66-7.01V LLDS(M	.2	DA2	RLZ TE-11 6.8C	1	PCE	
559	E-D-0403-2054	DIO ZEN 0.5W 6.66-7.01V LLDS(M	.2	DA3	RLZ TE-11 6.8C	1	PCE	
560	E-D-0403-2054	DIO ZEN 0.5W 6.66-7.01V LLDS(M	.2	DA4	RLZ TE-11 6.8C	1	PCE	
561	E-D-0403-2047	DIO SW 0.15A 75V MINIMELF	.2	DA5	RLS4148 TE-11	1	PCE	
562	E-Q-0402-1087	TR 40V 0.2A SOT-23 100-300	.2	QA7	MMBT3904LT1	1	PCE	
563	E-Q-0402-1087	TR 40V 0.2A SOT-23 100-300	.2	QA8	MMBT3904LT1	1	PCE	
564	E-Q-0402-0407	TR 40V 1A SOT-23 75	.2	QA6	MMBT2222A	1	PCE	

565	E-Q-0402-1550	FET 30V 7A 28mohm SO-8PIN AA 100 %	.2 242601100223	ICA5	GF4412	1	PCE	
566	E-Q-0402-1550	FET 30V 7A 28mohm SO-8PIN AB 100 %	.2 242601100223	ICA6	GF4412	1	PCE	
567	E-Q-0402-1549	FET 30V 7A 0.028ohm SO-8 AA 0	.2	ICA5	SI4412DY-T1	1	PCE	
568	E-Q-0402-1549	FET 30V 7A 0.028ohm SO-8 AB 0	.2	ICA6	SI4412DY-T1	1	PCE	
569	E-IC-0401-2517	IC REGU +20V 1A SC-63 5PIN	.2 2500047320	ICA1	PQ20WZ1U	1	PCE	
570	E-IC-0401-1927	IC 4-CH AUDIO PROCESSOR SO-	.2 2530085011	ICA2	PT2313L	1	PCE	
571	E-IC-0401-1928	IC 2*6 STEREO CARD RADIO 9P	.2 2530100016	ICA3	TDA1517/N3	1	PCE	
572	E-L-0407-1546	CORE BEAD 100MHZ 40 OHM 0.4A 0	.2 2921093512	LA3	MLB-160808-0040A-N	1	PCE	
573	E-L-0407-1546	CORE BEAD 100MHZ 40 OHM 0.4A 0	.2 2921093512	LA4	MLB-160808-0040A-N	1	PCE	
574	E-L-0407-1547	CORE BEAD 100MHZ 80 OHM 3A 080	.2 2921174612	LA1	MLB-201209-0080P-N	1	PCE	
575	E-L-0407-1547	CORE BEAD 100MHZ 80 OHM 3A 080	.2 2921174612	LA2	MLB-201209-0080P-N	1	PCE	
576		PWB D0 L2 FR-4 60*100 (AUDIO B	.2 2973006403			1	PCE	
577		HEADER NYLON66 94V-0 4P P2.5	.2 3071312334	JA2	A2501WV2-4P	1	PCE	
578		PIN HEADER POLYESTER 94V0	.2 3071644030	JA3	PTT-10R-K-	1	PCE	
579		CONN PHONE JACK OD3.5 7P	.2 3072230400	JA5	JY-3551-21-070	1	PCE	
580		CONN PHONE JACK OD3.5 7P R/A	.2 3072231000	JA1	JY-3551-D1-070	1	PCE	
581	B-MB-0201-0673	MAIN BOARD ASSY	1 5600200099			1	PCE	
582	E-R-0405-7045	RES CH 1/4W .02 J 1206	.2 ....031320A000	RM1	RL1206JR-07	1	PCE	
583		RES CH 1/10W 1K F 0603	.2 0341041300	RM63	2322 704 61002	1	PCE	
584		RES CH 1/10W 35.7K F 0603	.2 0341151300	RM5	2322 704 63573	1	PCE	
585		RES CH 1/10W 75 F 0603	.2 0341379300	RM12	ERJ-3EKF 75R0	1	PCE	
586		RES CH 1/10W 75 F 0603	.2 0341379300	RM13	ERJ-3EKF 75R0	1	PCE	
587		RES CH 1/10W 75 F 0603	.2 0341379300	RM14	ERJ-3EKF 75R0	1	PCE	
588		RES CH 1/10W 75 F 0603	.2 0341379300	RM74	ERJ-3EKF 75R0	1	PCE	
589		RES CH 1/10W ZERO J 0603	.2 0343000300	RM103	2322 702 96001	1	PCE	
590		RES CH 1/10W ZERO J 0603	.2 0343000300	RM104	2322 702 96001	1	PCE	
591		RES CH 1/10W ZERO J 0603	.2 0343000300	RM105	2322 702 96001	1	PCE	
592		RES CH 1/10W ZERO J 0603	.2 0343000300	RM106	2322 702 96001	1	PCE	
593		RES CH 1/10W ZERO J 0603	.2 0343000300	RM112	2322 702 96001	1	PCE	
594		RES CH 1/10W ZERO J 0603	.2 0343000300	RM113	2322 702 96001	1	PCE	
595		RES CH 1/10W ZERO J 0603	.2 0343000300	RM114	2322 702 96001	1	PCE	
596		RES CH 1/10W ZERO J 0603	.2 0343000300	RM115	2322 702 96001	1	PCE	
597		RES CH 1/10W ZERO J 0603	.2 0343000300	RM116	2322 702 96001	1	PCE	
598		RES CH 1/10W ZERO J 0603	.2 0343000300	RM117	2322 702 96001	1	PCE	
599		RES CH 1/10W ZERO J 0603	.2 0343000300	RM118	2322 702 96001	1	PCE	
600		RES CH 1/10W ZERO J 0603	.2 0343000300	RM119	2322 702 96001	1	PCE	
601		RES CH 1/10W ZERO J 0603	.2 0343000300	RM120	2322 702 96001	1	PCE	
602		RES CH 1/10W ZERO J 0603	.2 0343000300	RM121	2322 702 96001	1	PCE	
603		RES CH 1/10W ZERO J 0603	.2 0343000300	RM122	2322 702 96001	1	PCE	
604		RES CH 1/10W ZERO J 0603	.2 0343000300	RM123	2322 702 96001	1	PCE	
605		RES CH 1/10W ZERO J 0603	.2 0343000300	RM124	2322 702 96001	1	PCE	
606		RES CH 1/10W ZERO J 0603	.2 0343000300	RM125	2322 702 96001	1	PCE	
607		RES CH 1/10W ZERO J 0603	.2 0343000300	RM126	2322 702 96001	1	PCE	
608		RES CH 1/10W ZERO J 0603	.2 0343000300	RM127	2322 702 96001	1	PCE	
609		RES CH 1/10W ZERO J 0603	.2 0343000300	RM128	2322 702 96001	1	PCE	
610		RES CH 1/10W ZERO J 0603	.2 0343000300	RM129	2322 702 96001	1	PCE	
611		RES CH 1/10W ZERO J 0603	.2 0343000300	RM130	2322 702 96001	1	PCE	
612		RES CH 1/10W ZERO J 0603	.2 0343000300	RM131	2322 702 96001	1	PCE	
613		RES CH 1/10W ZERO J 0603	.2 0343000300	RM16	2322 702 96001	1	PCE	
614		RES CH 1/10W ZERO J 0603	.2 0343000300	RM162	2322 702 96001	1	PCE	
615		RES CH 1/10W ZERO J 0603	.2 0343000300	RM163	2322 702 96001	1	PCE	
616		RES CH 1/10W ZERO J 0603	.2 0343000300	RM168	2322 702 96001	1	PCE	
617		RES CH 1/10W ZERO J 0603	.2 0343000300	RM169	2322 702 96001	1	PCE	
618		RES CH 1/10W ZERO J 0603	.2 0343000300	RM170	2322 702 96001	1	PCE	
619		RES CH 1/10W ZERO J 0603	.2 0343000300	RM171	2322 702 96001	1	PCE	
620		RES CH 1/10W ZERO J 0603	.2 0343000300	RM177	2322 702 96001	1	PCE	
621		RES CH 1/10W 10 J 0603	.2 0343100300	RM182	2322 702 60109	1	PCE	
622		RES CH 1/10W 10 J 0603	.2 0343100300	RM4	2322 702 60109	1	PCE	
623		RES CH 1/10W 100 J 0603	.2 0343101300	RM10	2322 702 60101	1	PCE	
624		RES CH 1/10W 100 J 0603	.2 0343101300	RM11	2322 702 60101	1	PCE	
625		RES CH 1/10W 100 J 0603	.2 0343101300	RM15	2322 702 60101	1	PCE	
626		RES CH 1/10W 100 J 0603	.2 0343101300	RM17	2322 702 60101	1	PCE	
627		RES CH 1/10W 100 J 0603	.2 0343101300	RM18	2322 702 60101	1	PCE	
628		RES CH 1/10W 100 J 0603	.2 0343101300	RM19	2322 702 60101	1	PCE	
629		RES CH 1/10W 100 J 0603	.2 0343101300	RM25	2322 702 60101	1	PCE	
630		RES CH 1/10W 100 J 0603	.2 0343101300	RM28	2322 702 60101	1	PCE	
631		RES CH 1/10W 100 J 0603	.2 0343101300	RM29	2322 702 60101	1	PCE	
632		RES CH 1/10W 100 J 0603	.2 0343101300	RM9	2322 702 60101	1	PCE	
633		RES CH 1/10W 1K J 0603	.2 0343102300	RM109	2322 702 60102	1	PCE	

634		RES CH 1/10W 1K J 0603	.2 0343102300	RM175	2322 702 60102	1	PCE	
635		RES CH 1/10W 1K J 0603	.2 0343102300	RM176	2322 702 60102	1	PCE	
636		RES CH 1/10W 10K J 0603	.2 0343103300	RM110	ERJ-3GEYJ 103	1	PCE	
637		RES CH 1/10W 10K J 0603	.2 0343103300	RM111	ERJ-3GEYJ 103	1	PCE	
638		RES CH 1/10W 10K J 0603	.2 0343103300	RM133	ERJ-3GEYJ 103	1	PCE	
639		RES CH 1/10W 10K J 0603	.2 0343103300	RM134	ERJ-3GEYJ 103	1	PCE	
640		RES CH 1/10W 10K J 0603	.2 0343103300	RM135	ERJ-3GEYJ 103	1	PCE	
641		RES CH 1/10W 10K J 0603	.2 0343103300	RM136	ERJ-3GEYJ 103	1	PCE	
642		RES CH 1/10W 10K J 0603	.2 0343103300	RM137	ERJ-3GEYJ 103	1	PCE	
643		RES CH 1/10W 10K J 0603	.2 0343103300	RM138	ERJ-3GEYJ 103	1	PCE	
644		RES CH 1/10W 10K J 0603	.2 0343103300	RM139	ERJ-3GEYJ 103	1	PCE	
645		RES CH 1/10W 10K J 0603	.2 0343103300	RM140	ERJ-3GEYJ 103	1	PCE	
646		RES CH 1/10W 10K J 0603	.2 0343103300	RM141	ERJ-3GEYJ 103	1	PCE	
647		RES CH 1/10W 10K J 0603	.2 0343103300	RM142	ERJ-3GEYJ 103	1	PCE	
648		RES CH 1/10W 10K J 0603	.2 0343103300	RM143	ERJ-3GEYJ 103	1	PCE	
649		RES CH 1/10W 10K J 0603	.2 0343103300	RM144	ERJ-3GEYJ 103	1	PCE	
650		RES CH 1/10W 10K J 0603	.2 0343103300	RM145	ERJ-3GEYJ 103	1	PCE	
651		RES CH 1/10W 10K J 0603	.2 0343103300	RM146	ERJ-3GEYJ 103	1	PCE	
652		RES CH 1/10W 10K J 0603	.2 0343103300	RM147	ERJ-3GEYJ 103	1	PCE	
653		RES CH 1/10W 10K J 0603	.2 0343103300	RM148	ERJ-3GEYJ 103	1	PCE	
654		RES CH 1/10W 10K J 0603	.2 0343103300	RM149	ERJ-3GEYJ 103	1	PCE	
655		RES CH 1/10W 10K J 0603	.2 0343103300	RM150	ERJ-3GEYJ 103	1	PCE	
656		RES CH 1/10W 10K J 0603	.2 0343103300	RM32	ERJ-3GEYJ 103	1	PCE	
657		RES CH 1/10W 10K J 0603	.2 0343103300	RM36	ERJ-3GEYJ 103	1	PCE	
658		RES CH 1/10W 10K J 0603	.2 0343103300	RM65	ERJ-3GEYJ 103	1	PCE	
659		RES CH 1/10W 100K J 0603	.2 0343104300	RM33	2322 702 60104	1	PCE	
660		RES CH 1/10W 11K J 0603	.2 0343113300	RM6	2322 702 60113	1	PCE	
661		RES CH 1/10W 2.2K J 0603	.2 0343222300	RM155	2322 702 60222	1	PCE	
662		RES CH 1/10W 2.2K J 0603	.2 0343222300	RM156	2322 702 60222	1	PCE	
663		RES CH 1/10W 2.2K J 0603	.2 0343222300	RM165	2322 702 60222	1	PCE	
664		RES CH 1/10W 2.2K J 0603	.2 0343222300	RM166	2322 702 60222	1	PCE	
665		RES CH 1/10W 2.2K J 0603	.2 0343222300	RM167	2322 702 60222	1	PCE	
666		RES CH 1/10W 2.2K J 0603	.2 0343222300	RM174	2322 702 60222	1	PCE	
667		RES CH 1/10W 2.2K J 0603	.2 0343222300	RM48	2322 702 60222	1	PCE	
668		RES CH 1/10W 2.2K J 0603	.2 0343222300	RM55	2322 702 60222	1	PCE	
669		RES CH 1/10W 2.2K J 0603	.2 0343222300	RM57	2322 702 60222	1	PCE	
670		RES CH 1/10W 33 J 0603	.2 0343330300	RM37	2322 702 60339	1	PCE	
671		RES CH 1/10W 33 J 0603	.2 0343330300	RM38	2322 702 60339	1	PCE	
672		RES CH 1/10W 33 J 0603	.2 0343330300	RM39	2322 702 60339	1	PCE	
673		RES CH 1/10W 33 J 0603	.2 0343330300	RM40	2322 702 60339	1	PCE	
674		RES CH 1/10W 33 J 0603	.2 0343330300	RM41	2322 702 60339	1	PCE	
675		RES CH 1/10W 33 J 0603	.2 0343330300	RM44	2322 702 60339	1	PCE	
676		RES CH 1/10W 33 J 0603	.2 0343330300	RM59	2322 702 60339	1	PCE	
677		RES CH 1/10W 33 J 0603	.2 0343330300	RM60	2322 702 60339	1	PCE	
678		RES CH 1/10W 33 J 0603	.2 0343330300	RM61	2322 702 60339	1	PCE	
679		RES CH 1/10W 33 J 0603	.2 0343330300	RM62	2322 702 60339	1	PCE	
680		RES CH 1/10W 47 J 0603	.2 0343470300	RM151	2322 702 60479	1	PCE	
681		RES CH 1/10W 47 J 0603	.2 0343470300	RM152	2322 702 60479	1	PCE	
682		RES CH 1/10W 47 J 0603	.2 0343470300	RM45	2322 702 60479	1	PCE	
683		RES CH 1/10W 47 J 0603	.2 0343470300	RM46	2322 702 60479	1	PCE	
684		RES CH 1/10W 4.7K J 0603	.2 0343472300	RM100	2322 702 60472	1	PCE	
685		RES CH 1/10W 4.7K J 0603	.2 0343472300	RM101	2322 702 60472	1	PCE	
686		RES CH 1/10W 4.7K J 0603	.2 0343472300	RM153	2322 702 60472	1	PCE	
687		RES CH 1/10W 4.7K J 0603	.2 0343472300	RM178	2322 702 60472	1	PCE	
688		RES CH 1/10W 4.7K J 0603	.2 0343472300	RM180	2322 702 60472	1	PCE	
689		RES CH 1/10W 4.7K J 0603	.2 0343472300	RM181	2322 702 60472	1	PCE	
690		RES CH 1/10W 4.7K J 0603	.2 0343472300	RM183	2322 702 60472	1	PCE	
691		RES CH 1/10W 4.7K J 0603	.2 0343472300	RM30	2322 702 60472	1	PCE	
692		RES CH 1/10W 4.7K J 0603	.2 0343472300	RM31	2322 702 60472	1	PCE	
693		RES CH 1/10W 4.7K J 0603	.2 0343472300	RM34	2322 702 60472	1	PCE	
694		RES CH 1/10W 4.7K J 0603	.2 0343472300	RM35	2322 702 60472	1	PCE	
695		RES CH 1/10W 4.7K J 0603	.2 0343472300	RM42	2322 702 60472	1	PCE	
696		RES CH 1/10W 4.7K J 0603	.2 0343472300	RM43	2322 702 60472	1	PCE	
697		RES CH 1/10W 4.7K J 0603	.2 0343472300	RM76	2322 702 60472	1	PCE	
698		RES CH 1/10W 4.7K J 0603	.2 0343472300	RM77	2322 702 60472	1	PCE	
699		RES CH 1/10W 4.7K J 0603	.2 0343472300	RM79	2322 702 60472	1	PCE	
700		RES CH 1/10W 4.7K J 0603	.2 0343472300	RM82	2322 702 60472	1	PCE	
701		RES CH 1/10W 4.7K J 0603	.2 0343472300	RM88	2322 702 60472	1	PCE	
702		RES CH 1/10W 4.7K J 0603	.2 0343472300	RM89	2322 702 60472	1	PCE	
703		RES CH 1/10W 4.7K J 0603	.2 0343472300	RM92	2322 702 60472	1	PCE	
704		RES CH 1/10W 4.7K J 0603	.2 0343472300	RM94	2322 702 60472	1	PCE	
705		RES CH 1/10W 4.7K J 0603	.2 0343472300	RM95	2322 702 60472	1	PCE	
706		RES CH 1/10W 4.7K J 0603	.2 0343472300	RM97	2322 702 60472	1	PCE	
707		RES CH 1/10W 4.7K J 0603	.2 0343472300	RM98	2322 702 60472	1	PCE	
708		RES CH 1/10W 4.7K J 0603	.2 0343472300	RM99	2322 702 60472	1	PCE	
709		RES CH 1/10W 510 J 0603	.2 0343511300	RM20	2322 702 60511	1	PCE	

710		RES CH 1/10W 510 J 0603	.2 0343511300	RM26	2322 702 60511	1	PCE	
711		RES CH 1/10W 6.8K J 0603	.2 0343682300	RM2	2322 702 60682	1	PCE	
712		RES ARRAY 1/16W 4.7K J 8P4R	.2 0619901012	RPM1	YC164-JR-07 4K7	1	PCE	
713		RES ARRAY 1/16W 4.7K J 8P4R	.2 0619901012	RPM2	YC164-JR-07 4K7	1	PCE	
714		CRYSTAL 24MHZ +-30PPM 30PF	.2 0730180212	XM2	AT-49 24.00MHZ	1	PCE	
715		CRYSTAL 11.0592MHZ 30PPM	.2 0730500212	XM1	11.0592MHZ AT-	1	PCE	
716	E-C-0404-4853	CAP AL CP 16V 10U M 4*5.5	.2 148121001103	CM142	UWX1C100MCR1 GB	1	PCE	
717	E-C-0404-4853	CAP AL CP 16V 10U M 4*5.5	.2 148121001103	CM146	UWX1C100MCR1 GB	1	PCE	
718	E-C-0404-4853	CAP AL CP 16V 10U M 4*5.5	.2 148121001103	CM148	UWX1C100MCR1 GB	1	PCE	
719	E-C-0404-4853	CAP AL CP 16V 10U M 4*5.5	.2 148121001103	CM149	UWX1C100MCR1 GB	1	PCE	
720	E-C-0404-4853	CAP AL CP 16V 10U M 4*5.5	.2 148121001103	CM156	UWX1C100MCR1 GB	1	PCE	
721	E-C-0404-4853	CAP AL CP 16V 10U M 4*5.5	.2 148121001103	CM157	UWX1C100MCR1 GB	1	PCE	
722		CAP AL CP 16V 100U M 6.3*5.4	.2 148121011303	CM10	UWX1C101MCR1 GB	1	PCE	
723		CAP AL CP 16V 100U M 6.3*5.4	.2 148121011303	CM20	UWX1C101MCR1 GB	1	PCE	
724		CAP AL CP 16V 100U M 6.3*5.4	.2 148121011303	CM25	UWX1C101MCR1 GB	1	PCE	
725		CAP AL CP 16V 100U M 6.3*5.4	.2 148121011303	CM40	UWX1C101MCR1 GB	1	PCE	
726	E-C-0404-4855	CAP AL CP 16V 22U M 5*5.5 AW 100 %	.2 148122201203	CM112	UWX1C220MCR1 GB	1	PCE	
727	E-C-0404-4855	CAP AL CP 16V 22U M 5*5.5 AH 100 %	.2 148122201203	CM113	UWX1C220MCR1 GB	1	PCE	
728	E-C-0404-4855	CAP AL CP 16V 22U M 5*5.5 AC 100 %	.2 148122201203	CM118	UWX1C220MCR1 GB	1	PCE	
729	E-C-0404-4855	CAP AL CP 16V 22U M 5*5.5 AD 100 %	.2 148122201203	CM125	UWX1C220MCR1 GB	1	PCE	
730	E-C-0404-4855	CAP AL CP 16V 22U M 5*5.5 AE 100 %	.2 148122201203	CM132	UWX1C220MCR1 GB	1	PCE	
731	E-C-0404-4855	CAP AL CP 16V 22U M 5*5.5 AF 100 %	.2 148122201203	CM70	UWX1C220MCR1 GB	1	PCE	
732	E-C-0404-4854	CAP AL CP 16V 22U M 5*5.5 AW 0	.2	CM112	16REV22M5*5.5	1	PCE	
733	E-C-0404-4854	CAP AL CP 16V 22U M 5*5.5 AH 0	.2	CM113	16REV22M5*5.5	1	PCE	
734	E-C-0404-4854	CAP AL CP 16V 22U M 5*5.5 AC 0	.2	CM118	16REV22M5*5.5	1	PCE	
735	E-C-0404-4854	CAP AL CP 16V 22U M 5*5.5 AD 0	.2	CM125	16REV22M5*5.5	1	PCE	
736	E-C-0404-4854	CAP AL CP 16V 22U M 5*5.5 AE 0	.2	CM132	16REV22M5*5.5	1	PCE	
737	E-C-0404-4854	CAP AL CP 16V 22U M 5*5.5 AF 0	.2	CM70	16REV22M5*5.5	1	PCE	
738	E-C-0404-4857	CAP AL CP 16V 47U M 6.3*5.4	.2 148124701303	CM13	UWX1C470MCR1 GB	1	PCE	
739	E-C-0404-4857	CAP AL CP 16V 47U M 6.3*5.4	.2 148124701303	CM166	UWX1C470MCR1 GB	1	PCE	
740	E-C-0404-4857	CAP AL CP 16V 47U M 6.3*5.4	.2 148124701303	CM23	UWX1C470MCR1 GB	1	PCE	
741	E-C-0404-4857	CAP AL CP 16V 47U M 6.3*5.4	.2 148124701303	CM28	UWX1C470MCR1 GB	1	PCE	
742	E-C-0404-4857	CAP AL CP 16V 47U M 6.3*5.4	.2 148124701303	CM49	UWX1C470MCR1 GB	1	PCE	
743	E-C-0404-4857	CAP AL CP 16V 47U M 6.3*5.4	.2 148124701303	CM6	UWX1C470MCR1 GB	1	PCE	
744	E-C-0404-4857	CAP AL CP 16V 47U M 6.3*5.4	.2 148124701303	CM7	UWX1C470MCR1 GB	1	PCE	
745	E-C-0404-4858	CAP AL CP 25V 100U M 8*5.5	.2 148141011403	CM16	UWX1E101MCR1 GB	1	PCE	
746	E-C-0404-4858	CAP AL CP 25V 100U M 8*5.5	.2 148141011403	CM165	UWX1E101MCR1 GB	1	PCE	
747	E-C-0404-4858	CAP AL CP 25V 100U M 8*5.5	.2 148141011403	CM17	UWX1E101MCR1 GB	1	PCE	
748	E-C-0404-4858	CAP AL CP 25V 100U M 8*5.5	.2 148141011403	CM2	UWX1E101MCR1 GB	1	PCE	
749	E-C-0404-4869	CAP MC CP 50V .01U J X7R 0603	.2 1511454000	CM151	2238 586 15536	1	PCE	
750	E-C-0404-4869	CAP MC CP 50V .01U J X7R 0603	.2 1511454000	CM154	2238 586 15536	1	PCE	
751	E-C-0404-4869	CAP MC CP 50V .01U J X7R 0603	.2 1511454000	CM159	2238 586 15536	1	PCE	
752	E-C-0404-4869	CAP MC CP 50V .01U J X7R 0603	.2 1511454000	CM162	2238 586 15536	1	PCE	
753	E-C-0404-4869	CAP MC CP 50V .01U J X7R 0603	.2 1511454000	CM30	2238 586 15536	1	PCE	
754	E-C-0404-4869	CAP MC CP 50V .01U J X7R 0603	.2 1511454000	CM31	2238 586 15536	1	PCE	
755	E-C-0404-4869	CAP MC CP 50V .01U J X7R 0603	.2 1511454000	CM32	2238 586 15536	1	PCE	
756	E-C-0404-4869	CAP MC CP 50V .01U J X7R 0603	.2 1511454000	CM33	2238 586 15536	1	PCE	
757	E-C-0404-4869	CAP MC CP 50V .01U J X7R 0603	.2 1511454000	CM34	2238 586 15536	1	PCE	

758	E-C-0404-4869	CAP MC CP 50V .01U J X7R 0603	.2 1511454000	CM35	2238 586 15536	1	PCE	
759	E-C-0404-4878	CAP MC CP 50V 22P J C0G 0603	.2 1511514000	CM193	2238 867 15229	1	PCE	
760	E-C-0404-4878	CAP MC CP 50V 22P J C0G 0603	.2 1511514000	CM194	2238 867 15229	1	PCE	
761	E-C-0404-4878	CAP MC CP 50V 22P J C0G 0603	.2 1511514000	CM45	2238 867 15229	1	PCE	
762	E-C-0404-4878	CAP MC CP 50V 22P J C0G 0603	.2 1511514000	CM46	2238 867 15229	1	PCE	
763	E-C-0404-4495	CAP MC CP 50V 47P J C0G 0603	.2 1511522000	CM117	2238 867 15479	1	PCE	
764	E-C-0404-4495	CAP MC CP 50V 47P J C0G 0603	.2 1511522000	CM36	2238 867 15479	1	PCE	
765	E-C-0404-4495	CAP MC CP 50V 47P J C0G 0603	.2 1511522000	CM38	2238 867 15479	1	PCE	
766	E-C-0404-4874	CAP MC CP 50V 100P J C0G 0603	.2 1511530000	CM15	C0603N101J050T	1	PCE	
767	E-C-0404-4874	CAP MC CP 50V 100P J C0G 0603	.2 1511530000	CM19	C0603N101J050T	1	PCE	
768	E-C-0404-4874	CAP MC CP 50V 100P J C0G 0603	.2 1511530000	CM47	C0603N101J050T	1	PCE	
769	E-C-0404-4874	CAP MC CP 50V 100P J C0G 0603	.2 1511530000	CM48	C0603N101J050T	1	PCE	
770	E-C-0404-4874	CAP MC CP 50V 100P J C0G 0603	.2 1511530000	CM9	C0603N101J050T	1	PCE	
771	E-C-0404-4877	CAP MC CP 50V 220P J C0G 0603	.2 1511538000	CM100	C0603N221J050T	1	PCE	
772	E-C-0404-4877	CAP MC CP 50V 220P J C0G 0603	.2 1511538000	CM101	C0603N221J050T	1	PCE	
773	E-C-0404-4877	CAP MC CP 50V 220P J C0G 0603	.2 1511538000	CM102	C0603N221J050T	1	PCE	
774	E-C-0404-4877	CAP MC CP 50V 220P J C0G 0603	.2 1511538000	CM103	C0603N221J050T	1	PCE	
775	E-C-0404-4877	CAP MC CP 50V 220P J C0G 0603	.2 1511538000	CM108	C0603N221J050T	1	PCE	
776	E-C-0404-4877	CAP MC CP 50V 220P J C0G 0603	.2 1511538000	CM109	C0603N221J050T	1	PCE	
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778	E-C-0404-4877	CAP MC CP 50V 220P J C0G 0603	.2 1511538000	CM111	C0603N221J050T	1	PCE	
779	E-C-0404-4877	CAP MC CP 50V 220P J C0G 0603	.2 1511538000	CM61	C0603N221J050T	1	PCE	
780	E-C-0404-4877	CAP MC CP 50V 220P J C0G 0603	.2 1511538000	CM62	C0603N221J050T	1	PCE	
781	E-C-0404-4877	CAP MC CP 50V 220P J C0G 0603	.2 1511538000	CM63	C0603N221J050T	1	PCE	
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783	E-C-0404-4877	CAP MC CP 50V 220P J C0G 0603	.2 1511538000	CM65	C0603N221J050T	1	PCE	
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799	E-C-0404-4877	CAP MC CP 50V 220P J C0G 0603	.2 1511538000	CM99	C0603N221J050T	1	PCE	
800	E-C-0404-4880	CAP MC CP 50V 470P J C0G 0603	.2 1511542000	CM150	C0603N471J050T	1	PCE	
801	E-C-0404-4880	CAP MC CP 50V 470P J C0G 0603	.2 1511542000	CM153	C0603N471J050T	1	PCE	
802	E-C-0404-4880	CAP MC CP 50V 470P J C0G 0603	.2 1511542000	CM160	C0603N471J050T	1	PCE	
803	E-C-0404-4880	CAP MC CP 50V 470P J C0G 0603	.2 1511542000	CM163	C0603N471J050T	1	PCE	
804	E-C-0404-4880	CAP MC CP 50V 470P J C0G 0603	.2 1511542000	CM5	C0603N471J050T	1	PCE	
805	E-C-0404-4875	CAP MC CP 50V 1KP J C0G 0603	.2 1511545000	CM168	C1608C0G1H102	1	PCE	
806	E-C-0404-4875	CAP MC CP 50V 1KP J C0G 0603	.2 1511545000	CM169	C1608C0G1H102	1	PCE	
807	E-C-0404-4875	CAP MC CP 50V 1KP J C0G 0603	.2 1511545000	CM170	C1608C0G1H102	1	PCE	
808	E-C-0404-4875	CAP MC CP 50V 1KP J C0G 0603	.2 1511545000	CM171	C1608C0G1H102	1	PCE	
809	E-C-0404-4875	CAP MC CP 50V 1KP J C0G 0603	.2 1511545000	CM172	C1608C0G1H102	1	PCE	
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811	E-C-0404-4875	CAP MC CP 50V 1KP J C0G 0603	.2 1511545000	CM174	C1608C0G1H102	1	PCE	
812	E-C-0404-4875	CAP MC CP 50V 1KP J C0G 0603	.2 1511545000	CM175	C1608C0G1H102	1	PCE	
813	E-C-0404-4875	CAP MC CP 50V 1KP J C0G 0603	.2 1511545000	CM177	C1608C0G1H102	1	PCE	
814	E-C-0404-4875	CAP MC CP 50V 1KP J C0G 0603	.2 1511545000	CM178	C1608C0G1H102	1	PCE	
815	E-C-0404-4875	CAP MC CP 50V 1KP J C0G 0603	.2 1511545000	CM3	C1608C0G1H102	1	PCE	
816	E-C-0404-4881	CAP MC CP 50V 5P C C0G 0603	.2 1514504000	CM115	2238 867 14508	1	PCE	
817	E-C-0404-4881	CAP MC CP 50V 5P C C0G 0603	.2 1514504000	CM116	2238 867 14508	1	PCE	
818	E-C-0404-4497	CAP MC CP 50V .1U Z Y5V 0603	.2 1517658000	CM1	2238 586 19812	1	PCE	
819	E-C-0404-4497	CAP MC CP 50V .1U Z Y5V 0603	.2 1517658000	CM104	2238 586 19812	1	PCE	
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821	E-C-0404-4497	CAP MC CP 50V .1U Z Y5V 0603	.2 1517658000	CM106	2238 586 19812	1	PCE	
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826	E-C-0404-4497	CAP MC CP 50V .1U Z Y5V 0603	.2 1517658000	CM140	2238 586 19812	1	PCE	
827	E-C-0404-4497	CAP MC CP 50V .1U Z Y5V 0603	.2 1517658000	CM141	2238 586 19812	1	PCE	
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832	E-C-0404-4497	CAP MC CP 50V .1U Z Y5V 0603	.2 1517658000	CM155	2238 586 19812	1	PCE	
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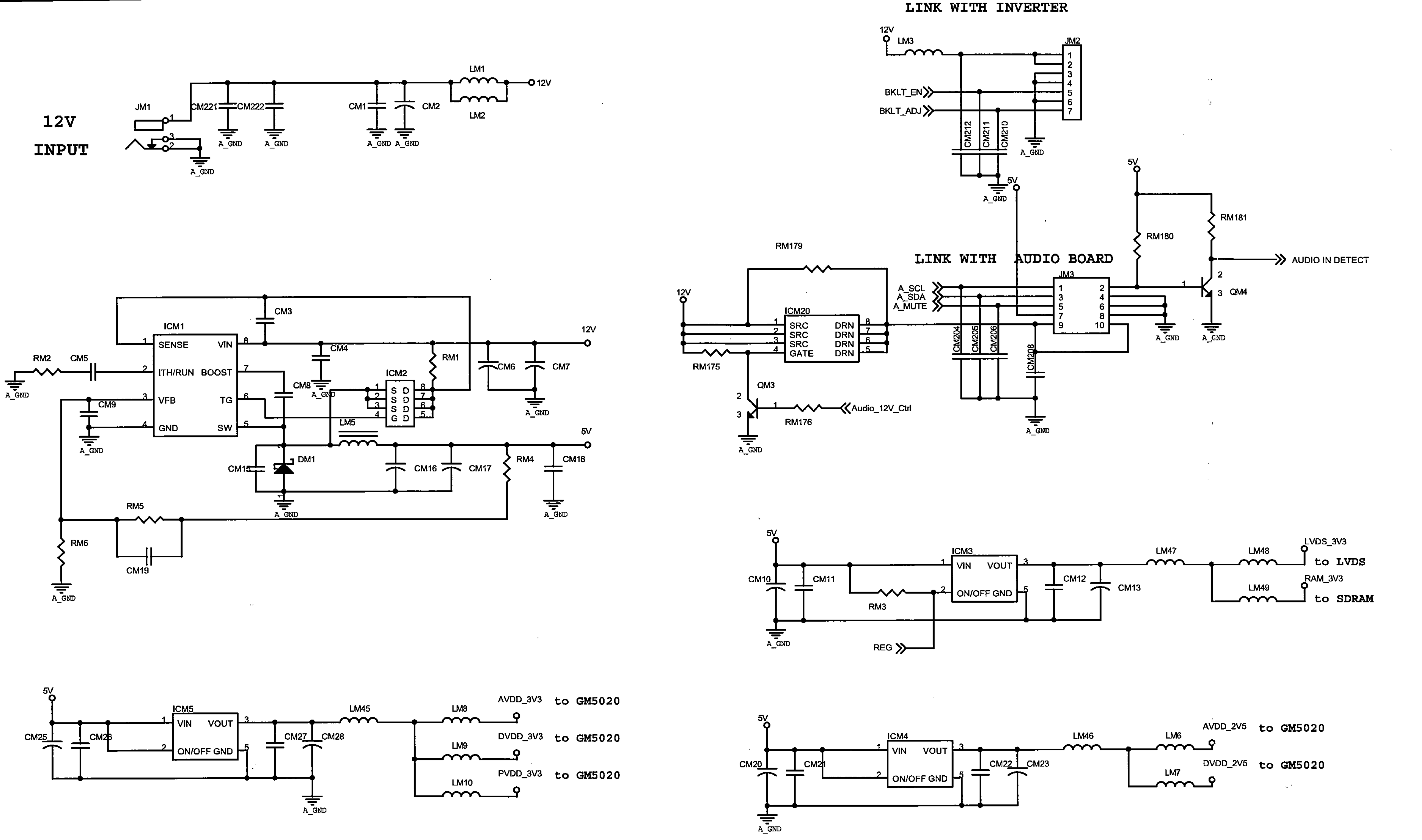
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840	E-C-0404-4497	CAP MC CP 50V .1U Z Y5V 0603	.2 1517658000	CM196	2238 586 19812	1	PCE	
841	E-C-0404-4497	CAP MC CP 50V .1U Z Y5V 0603	.2 1517658000	CM197	2238 586 19812	1	PCE	
842	E-C-0404-4497	CAP MC CP 50V .1U Z Y5V 0603	.2 1517658000	CM198	2238 586 19812	1	PCE	
843	E-C-0404-4497	CAP MC CP 50V .1U Z Y5V 0603	.2 1517658000	CM199	2238 586 19812	1	PCE	
844	E-C-0404-4497	CAP MC CP 50V .1U Z Y5V 0603	.2 1517658000	CM200	2238 586 19812	1	PCE	
845	E-C-0404-4497	CAP MC CP 50V .1U Z Y5V 0603	.2 1517658000	CM201	2238 586 19812	1	PCE	
846	E-C-0404-4497	CAP MC CP 50V .1U Z Y5V 0603	.2 1517658000	CM202	2238 586 19812	1	PCE	
847	E-C-0404-4497	CAP MC CP 50V .1U Z Y5V 0603	.2 1517658000	CM21	2238 586 19812	1	PCE	
848	E-C-0404-4497	CAP MC CP 50V .1U Z Y5V 0603	.2 1517658000	CM22	2238 586 19812	1	PCE	
849	E-C-0404-4497	CAP MC CP 50V .1U Z Y5V 0603	.2 1517658000	CM220	2238 586 19812	1	PCE	
850	E-C-0404-4497	CAP MC CP 50V .1U Z Y5V 0603	.2 1517658000	CM26	2238 586 19812	1	PCE	
851	E-C-0404-4497	CAP MC CP 50V .1U Z Y5V 0603	.2 1517658000	CM27	2238 586 19812	1	PCE	
852	E-C-0404-4497	CAP MC CP 50V .1U Z Y5V 0603	.2 1517658000	CM39	2238 586 19812	1	PCE	
853	E-C-0404-4497	CAP MC CP 50V .1U Z Y5V 0603	.2 1517658000	CM4	2238 586 19812	1	PCE	
854	E-C-0404-4497	CAP MC CP 50V .1U Z Y5V 0603	.2 1517658000	CM41	2238 586 19812	1	PCE	
855	E-C-0404-4497	CAP MC CP 50V .1U Z Y5V 0603	.2 1517658000	CM42	2238 586 19812	1	PCE	
856	E-C-0404-4497	CAP MC CP 50V .1U Z Y5V 0603	.2 1517658000	CM43	2238 586 19812	1	PCE	
857	E-C-0404-4497	CAP MC CP 50V .1U Z Y5V 0603	.2 1517658000	CM44	2238 586 19812	1	PCE	
858	E-C-0404-4497	CAP MC CP 50V .1U Z Y5V 0603	.2 1517658000	CM51	2238 586 19812	1	PCE	
859	E-C-0404-4497	CAP MC CP 50V .1U Z Y5V 0603	.2 1517658000	CM52	2238 586 19812	1	PCE	
860	E-C-0404-4497	CAP MC CP 50V .1U Z Y5V 0603	.2 1517658000	CM53	2238 586 19812	1	PCE	
861	E-C-0404-4497	CAP MC CP 50V .1U Z Y5V 0603	.2 1517658000	CM54	2238 586 19812	1	PCE	
862	E-C-0404-4497	CAP MC CP 50V .1U Z Y5V 0603	.2 1517658000	CM55	2238 586 19812	1	PCE	
863	E-C-0404-4497	CAP MC CP 50V .1U Z Y5V 0603	.2 1517658000	CM56	2238 586 19812	1	PCE	
864	E-C-0404-4497	CAP MC CP 50V .1U Z Y5V 0603	.2 1517658000	CM57	2238 586 19812	1	PCE	
865	E-C-0404-4497	CAP MC CP 50V .1U Z Y5V 0603	.2 1517658000	CM58	2238 586 19812	1	PCE	
866	E-C-0404-4497	CAP MC CP 50V .1U Z Y5V 0603	.2 1517658000	CM59	2238 586 19812	1	PCE	
867	E-C-0404-4497	CAP MC CP 50V .1U Z Y5V 0603	.2 1517658000	CM60	2238 586 19812	1	PCE	
868	E-C-0404-4497	CAP MC CP 50V .1U Z Y5V 0603	.2 1517658000	CM72	2238 586 19812	1	PCE	
869	E-C-0404-4497	CAP MC CP 50V .1U Z Y5V 0603	.2 1517658000	CM73	2238 586 19812	1	PCE	
870	E-C-0404-4497	CAP MC CP 50V .1U Z Y5V 0603	.2 1517658000	CM74	2238 586 19812	1	PCE	
871	E-C-0404-4497	CAP MC CP 50V .1U Z Y5V 0603	.2 1517658000	CM75	2238 586 19812	1	PCE	
872	E-C-0404-4497	CAP MC CP 50V .1U Z Y5V 0603	.2 1517658000	CM76	2238 586 19812	1	PCE	
873	E-C-0404-4497	CAP MC CP 50V .1U Z Y5V 0603	.2 1517658000	CM77	2238 586 19812	1	PCE	
874	E-C-0404-4497	CAP MC CP 50V .1U Z Y5V 0603	.2 1517658000	CM78	2238 586 19812	1	PCE	
875	E-C-0404-4497	CAP MC CP 50V .1U Z Y5V 0603	.2 1517658000	CM79	2238 586 19812	1	PCE	
876	E-C-0404-4497	CAP MC CP 50V .1U Z Y5V 0603	.2 1517658000	CM8	2238 586 19812	1	PCE	
877	E-C-0404-4497	CAP MC CP 50V .1U Z Y5V 0603	.2 1517658000	CM88	2238 586 19812	1	PCE	
878	E-C-0404-4497	CAP MC CP 50V .1U Z Y5V 0603	.2 1517658000	CM89	2238 586 19812	1	PCE	
879	E-C-0404-4497	CAP MC CP 50V .1U Z Y5V 0603	.2 1517658000	CM90	2238 586 19812	1	PCE	
880	E-C-0404-4497	CAP MC CP 50V .1U Z Y5V 0603	.2 1517658000	CM94	2238 586 19812	1	PCE	
881	E-C-0404-4497	CAP MC CP 50V .1U Z Y5V 0603	.2 1517658000	CM95	2238 586 19812	1	PCE	
882	E-C-0404-4497	CAP MC CP 50V .1U Z Y5V 0603	.2 1517658000	CM96	2238 586 19812	1	PCE	
883	E-C-0404-4497	CAP MC CP 50V .1U Z Y5V 0603	.2 1517658000	CM97	2238 586 19812	1	PCE	
884	E-C-0404-4497	CAP MC CP 50V .1U Z Y5V 0603	.2 1517658000	CM98	2238 586 19812	1	PCE	
885	E-C-0404-4866	CAP MC CP 16V .47U Z Y5V 0603	.2 1547664000	CM119	C0603Y474Z016T	1	PCE	
886	E-C-0404-4866	CAP MC CP 16V .47U Z Y5V 0603	.2 1547664000	CM120	C0603Y474Z016T	1	PCE	
887	E-C-0404-4866	CAP MC CP 16V .47U Z Y5V 0603	.2 1547664000	CM121	C0603Y474Z016T	1	PCE	
888	E-C-0404-4866	CAP MC CP 16V .47U Z Y5V 0603	.2 1547664000	CM122	C0603Y474Z016T	1	PCE	
889	E-C-0404-4866	CAP MC CP 16V .47U Z Y5V 0603	.2 1547664000	CM123	C0603Y474Z016T	1	PCE	
890	E-C-0404-4866	CAP MC CP 16V .47U Z Y5V 0603	.2 1547664000	CM124	C0603Y474Z016T	1	PCE	
891	E-C-0404-4866	CAP MC CP 16V .47U Z Y5V 0603	.2 1547664000	CM126	C0603Y474Z016T	1	PCE	
892	E-C-0404-4866	CAP MC CP 16V .47U Z Y5V 0603	.2 1547664000	CM127	C0603Y474Z016T	1	PCE	
893	E-C-0404-4866	CAP MC CP 16V .47U Z Y5V 0603	.2 1547664000	CM128	C0603Y474Z016T	1	PCE	
894	E-C-0404-4866	CAP MC CP 16V .47U Z Y5V 0603	.2 1547664000	CM129	C0603Y474Z016T	1	PCE	
895	E-C-0404-4866	CAP MC CP 16V .47U Z Y5V 0603	.2 1547664000	CM130	C0603Y474Z016T	1	PCE	
896	E-C-0404-4866	CAP MC CP 16V .47U Z Y5V 0603	.2 1547664000	CM131	C0603Y474Z016T	1	PCE	
897	E-C-0404-4866	CAP MC CP 16V .47U Z Y5V 0603	.2 1547664000	CM133	C0603Y474Z016T	1	PCE	
898	E-C-0404-4866	CAP MC CP 16V .47U Z Y5V 0603	.2 1547664000	CM134	C0603Y474Z016T	1	PCE	
899	E-C-0404-4866	CAP MC CP 16V .47U Z Y5V 0603	.2 1547664000	CM135	C0603Y474Z016T	1	PCE	
900	E-C-0404-4866	CAP MC CP 16V .47U Z Y5V 0603	.2 1547664000	CM136	C0603Y474Z016T	1	PCE	
901	E-C-0404-4866	CAP MC CP 16V .47U Z Y5V 0603	.2 1547664000	CM137	C0603Y474Z016T	1	PCE	
902	E-C-0404-4866	CAP MC CP 16V .47U Z Y5V 0603	.2 1547664000	CM138	C0603Y474Z016T	1	PCE	
903	E-C-0404-4864	CAP MC CP 10V 10U Z Y5V 1206	.2 ....15A7691200	CM180	C1206Y106Z010T	1	PCE	
904	E-C-0404-4864	CAP MC CP 10V 10U Z Y5V 1206	.2 ....15A7691200	CM181	C1206Y106Z010T	1	PCE	
905	E-C-0404-4864	CAP MC CP 10V 10U Z Y5V 1206	.2 ....15A7691200	CM182	C1206Y106Z010T	1	PCE	
906	E-C-0404-4864	CAP MC CP 10V 10U Z Y5V 1206	.2 ....15A7691200	CM183	C1206Y106Z010T	1	PCE	
907	E-C-0404-4864	CAP MC CP 10V 10U Z Y5V 1206	.2 ....15A7691200	CM185	C1206Y106Z010T	1	PCE	
908	E-C-0404-4864	CAP MC CP 10V 10U Z Y5V 1206	.2 ....15A7691200	CM186	C1206Y106Z010T	1	PCE	
909	E-C-0404-4864	CAP MC CP 10V 10U Z Y5V 1206	.2 ....15A7691200	CM187	C1206Y106Z010T	1	PCE	

910	E-C-0404-4864	CAP MC CP 10V 10U Z Y5V 1206	.2 ....15A7691200	CM188	C1206Y106Z010T	1	PCE	
911	E-C-0404-4864	CAP MC CP 10V 10U Z Y5V 1206	.2 ....15A7691200	CM189	C1206Y106Z010T	1	PCE	
912	E-C-0404-4864	CAP MC CP 10V 10U Z Y5V 1206	.2 ....15A7691200	CM190	C1206Y106Z010T	1	PCE	
913	E-C-0404-4864	CAP MC CP 10V 10U Z Y5V 1206	.2 ....15A7691200	CM191	C1206Y106Z010T	1	PCE	
914	E-C-0404-4864	CAP MC CP 10V 10U Z Y5V 1206	.2 ....15A7691200	CM192	C1206Y106Z010T	1	PCE	
915	E-C-0404-4864	CAP MC CP 10V 10U Z Y5V 1206	.2 ....15A7691200	CM71	C1206Y106Z010T	1	PCE	
916	E-D-0403-2045	DIO SBD 1A 40V SMB	.2	DM1	MBRS140T3	1	PCE	
917	E-D-0403-2053	DIO ZEN 0.5W 5.45-5.73V LLDS(M	.2	DM17	RLZ TE-11 5.6B	1	PCE	
918	E-D-0403-2053	DIO ZEN 0.5W 5.45-5.73V LLDS(M	.2	DM3	RLZ TE-11 5.6B	1	PCE	
919	E-D-0403-2053	DIO ZEN 0.5W 5.45-5.73V LLDS(M	.2	DM4	RLZ TE-11 5.6B	1	PCE	
920	E-D-0403-2053	DIO ZEN 0.5W 5.45-5.73V LLDS(M	.2	DM8	RLZ TE-11 5.6B	1	PCE	
921	E-D-0403-2053	DIO ZEN 0.5W 5.45-5.73V LLDS(M	.2	DM9	RLZ TE-11 5.6B	1	PCE	
922	E-D-0403-2047	DIO SW 0.15A 75V MINIMELF	.2	DM10	RLS4148 TE-11	1	PCE	
923	E-D-0403-2047	DIO SW 0.15A 75V MINIMELF	.2	DM11	RLS4148 TE-11	1	PCE	
924	E-D-0403-2047	DIO SW 0.15A 75V MINIMELF	.2	DM12	RLS4148 TE-11	1	PCE	
925	E-D-0403-2047	DIO SW 0.15A 75V MINIMELF	.2	DM13	RLS4148 TE-11	1	PCE	
926	E-D-0403-2047	DIO SW 0.15A 75V MINIMELF	.2	DM15	RLS4148 TE-11	1	PCE	
927	E-D-0403-2047	DIO SW 0.15A 75V MINIMELF	.2	DM16	RLS4148 TE-11	1	PCE	
928	E-D-0403-2047	DIO SW 0.15A 75V MINIMELF	.2	DM18	RLS4148 TE-11	1	PCE	
929	E-D-0403-2047	DIO SW 0.15A 75V MINIMELF	.2	DM7	RLS4148 TE-11	1	PCE	
930	E-Q-0402-1087	TR 40V 0.2A SOT-23 100-300 AP 100 %	.2 210522000405	QM2	MMBT3904LT1	1	PCE	
931	E-Q-0402-1087	TR 40V 0.2A SOT-23 100-300 AN 100 %	.2 210522000405	QM3	MMBT3904LT1	1	PCE	
932	E-Q-0402-1087	TR 40V 0.2A SOT-23 100-300 AX 100 %	.2 210522000405	QM4	MMBT3904LT1	1	PCE	
933	E-Q-0402-1180	TR 40V 0.2A SOT-23 100-300 AP 0	.2	QM2	MMBT3904	1	PCE	
934	E-Q-0402-1180	TR 40V 0.2A SOT-23 100-300 AN 0	.2	QM3	MMBT3904	1	PCE	
935	E-Q-0402-1180	TR 40V 0.2A SOT-23 100-300 AX 0	.2	QM4	MMBT3904	1	PCE	
936	E-Q-0402-1550	FET 30V 7A 28mohm SO-8PIN AO 100 %	.2 242601100223	ICM2	GF4412	1	PCE	
937	E-Q-0402-1549	FET 30V 7A 0.028ohm SO-8 AO 0	.2	ICM2	SI4412DY-T1	1	PCE	
938	E-Q-0402-1551	FET -30V -8.8A 0.02ohm SO-8AT 100 %	.2 243601100017	ICM17	FDS4435	1	PCE	
939	E-Q-0402-1551	FET -30V -8.8A 0.02ohm SO-8AU 100 %	.2 243601100017	ICM20	FDS4435	1	PCE	
940	E-Q-0402-1552	FET -30V -8.0A 0.02ohm SO-8AT 0	.2	ICM17	SI4435DY-REVA-	1	PCE	
941	E-Q-0402-1552	FET -30V -8.0A 0.02ohm SO-8AU 0	.2	ICM20	SI4435DY-REVA-	1	PCE	
942	E-IC-0401-2145	IC 7705A SOP-8PIN	.2 2500038314	ICM8	TL7705AIDR	1	PCE	
943	E-IC-0401-1921	IC REGU 3.3V 1A SC-63-5P	.2 2500047120	ICM3	PQ3DZ13U	1	PCE	
944	E-IC-0401-1921	IC REGU 3.3V 1A SC-63-5P	.2 2500047120	ICM5	PQ3DZ13U	1	PCE	
945	E-IC-0401-1924	IC REGU D/D SO-8PIN	.2 2500115018	ICM1	LTC1624CS8	1	PCE	
946	E-IC-0401-1926	IC REGU 2.5V 1.0A SC-63-5P	.2 2500121020	ICM4	PQ2TZ15	1	PCE	
947		IC 8051 UP WITH ISP PLCC-44P	.2 2510337097	ICM10	MTV312MV64	1	PCE	
948	E-IC-0401-2147	IC GRAPHICS PROCESSING	.2 2530192127	ICM11	GM5020	1	PCE	
949	E-IC-0401-1931	IC TRANSMITTER TSSOP-56P AA 0 %	.2 2540005008	ICM15	SN75LVDS83DG GR	1	PCE	
950	E-IC-0401-1931	IC TRANSMITTER TSSOP-56P AB 0 %	.2 2540005008	ICM16	SN75LVDS83DG GR	1	PCE	
951	E-IC-0401-1932	IC LVDS I/F TSSOP-56P AA 100 %	.2 2540170021	ICM15	THC63LVDM83A	1	PCE	
952	E-IC-0401-1932	IC LVDS I/F TSSOP-56P AB 100 %	.2 2540170021	ICM16	THC63LVDM83A	1	PCE	
953	E-IC-0401-2148	IC LVDS X'MITTER 24BIT FPD TSS AA 0 %	.2 2540317004	ICM15	DS90C383A	1	PCE	
954	E-IC-0401-2148	IC LVDS X'MITTER 24BIT FPD TSS AB 0 %	.2 2540317004	ICM16	DS90C383A	1	PCE	
955	E-IC-0401-2142	IC EEPROM 1K SO-8 AM 0 %	.2 2610099337	ICM7	24LC21AT/SN	1	PCE	
956	E-IC-0401-2143	IC EEPROM 1K SOIC-8P AM 100 %	.2 2610099512	ICM7	AT24C21-10SI-	1	PCE	
957	E-IC-0401-2144	IC EEPROM SO-8 AV 0 %	.2 2610188609	ICM9	NM24C16M8	1	PCE	
958	E-IC-0401-2518	IC SDRAM 512K*16*2B 6nS TSOP50 AQ 100 %	.2 2610269414	ICM12	K4S161622D-TC60	1	PCE	
959	E-IC-0401-2518	IC SDRAM 512K*16*2B 6nS TSOP50 AR 100 %	.2 2610269414	ICM13	K4S161622D-TC60	1	PCE	
960	E-IC-0401-2518	IC SDRAM 512K*16*2B 6nS TSOP50 AS 100 %	.2 2610269414	ICM14	K4S161622D-TC60	1	PCE	
961	E-IC-0401-2519	IC SDRAM 512K*16*2B 7nS TSOPII AQ 0 %	.2 2610269844	ICM12	W981616BH-7	1	PCE	
962	E-IC-0401-2519	IC SDRAM 512K*16*2B 7nS TSOPII AR 0 %	.2 2610269844	ICM13	W981616BH-7	1	PCE	
963	E-IC-0401-2519	IC SDRAM 512K*16*2B 7nS TSOPII AS 0 %	.2 2610269844	ICM14	W981616BH-7	1	PCE	
964	E-IC-0401-2141	IC EEPROM 16K SO-8PAV 100 %	.2 2610527042	ICM9	M24C16-MN6T	1	PCE	
965	E-L-0407-1109	CHOKE SMT 10uH 4A	.2 2816701000	LM5	SIQ125-100	1	PCE	
966		CLIP C1020R-H DR10 T=0.3	..3 3429010300			1	PCE	
967		FRAME TINNED COPPER RH125	...4 3940111300			1	PCE	
968		CU DCU C1201R H W=22 T=0.3	....5 4040410100			1.19	GRM	

969		PML FOR SIQ125 ETC	..3 3520461000			1	PCE	
970		LABEL PAPER T:0.1MM LB-1206	...4 3200106700			0.003	PCE	
971		EMBOSSED PLASTIC CHIP	...4 3500600700			0.003	PCE	
972		TRAY PAPER 366*346*75	...4 3510425000			0.001	PCE	
973		CARTON 366*180*386	...4 3511031000			0.001	PCE	
974		ANGLE PAPER BOARD	...4 3511204200			0.002	PCE	
975		PREVENT OXIDIZATION 1.7g	...4 3520130300			0.003	PCE	
976		COVER TAPE FOR REEL 2	...4 3520146300		#2666	6	MMT	
977		3520148700+3520146600 ASSY	...4 3520148800			0.003	PCE	
978	M-CV-0830-2317	COVER REEL 13"	....5 3520146600			0.004	PCE	
979		PLASTIC REEL W=24	....5 3520148700			0.002	PCE	
980		AIR BUBBLE BAG	...4 3520214800			0.002	PCE	
981		EMBOSSED PLASTIC CHIP CARRIER2	...4 3520802500			5.4	MMT	
982	M-WR-0828-0399	WIRE CU 0.4 2UEWN NAT MW-28	..3 4010570000			1	GRM	
983	M-MS-0808-5148	EPOXY ADHESIVE HOT-MELT A-	..3 4020121100		A-208	0.04	GRM	
984	M-MS-0808-5448	EPOXY ADHESIVE EP391 EPOLAB	..3 4020130400		EP391-5	0.01	GRM	
985		EPOXY ADHESIVE EP382	..3 4020132500		EP382	0.2	GRM	
986		SOLDER FLUX YS-120	..3 4020209600		YS-120	0.01	GRM	
987		SOLVENT THINNER YS-08	..3 4020209700		YS-08	0.01	GRM	
988	M-MS-0808-5165	INK BLACK	..3 4020500500			0.001	GRM	
989	M-MS-0808-5169	SOLDER BAR 50/50	..3 4090003700		SB50AO	0.131	GRM	
990	E-L-0407-1551	CORE FERI DR10*5.2 F4D B5.5	..3 4162050700		F4D DR10*5.2	1	PCE	
991	E-L-0407-1548	CORE FERI CUP 12.3*10.85*5 F4D	..3 4166280200		F4D	1	PCE	
992	E-L-0407-1546	CORE BEAD 100MHZ 40 OHM 0.4A 0	.2 2921093512	LM13	MLB-160808-0040A-N	1	PCE	
993	E-L-0407-1546	CORE BEAD 100MHZ 40 OHM 0.4A 0	.2 2921093512	LM14	MLB-160808-0040A-N	1	PCE	
994	E-L-0407-1546	CORE BEAD 100MHZ 40 OHM 0.4A 0	.2 2921093512	LM15	MLB-160808-0040A-N	1	PCE	
995	E-L-0407-1546	CORE BEAD 100MHZ 40 OHM 0.4A 0	.2 2921093512	LM30	MLB-160808-0040A-N	1	PCE	
996	E-L-0407-1546	CORE BEAD 100MHZ 40 OHM 0.4A 0	.2 2921093512	LM31	MLB-160808-0040A-N	1	PCE	
997	E-L-0407-1546	CORE BEAD 100MHZ 40 OHM 0.4A 0	.2 2921093512	LM33	MLB-160808-0040A-N	1	PCE	
998	E-L-0407-1546	CORE BEAD 100MHZ 40 OHM 0.4A 0	.2 2921093512	LM34	MLB-160808-0040A-N	1	PCE	
999	E-L-0407-1546	CORE BEAD 100MHZ 40 OHM 0.4A 0	.2 2921093512	LM35	MLB-160808-0040A-N	1	PCE	
1000	E-L-0407-1546	CORE BEAD 100MHZ 40 OHM 0.4A 0	.2 2921093512	LM36	MLB-160808-0040A-N	1	PCE	
1001	E-L-0407-1546	CORE BEAD 100MHZ 40 OHM 0.4A 0	.2 2921093512	LM37	MLB-160808-0040A-N	1	PCE	
1002	E-L-0407-1546	CORE BEAD 100MHZ 40 OHM 0.4A 0	.2 2921093512	LM38	MLB-160808-0040A-N	1	PCE	
1003	E-L-0407-1546	CORE BEAD 100MHZ 40 OHM 0.4A 0	.2 2921093512	LM39	MLB-160808-0040A-N	1	PCE	
1004	E-L-0407-1546	CORE BEAD 100MHZ 40 OHM 0.4A 0	.2 2921093512	LM40	MLB-160808-0040A-N	1	PCE	
1005	E-L-0407-1546	CORE BEAD 100MHZ 40 OHM 0.4A 0	.2 2921093512	LM44	MLB-160808-0040A-N	1	PCE	
1006	E-L-0407-1547	CORE BEAD 100MHZ 80 OHM 3A 080	.2 2921174612	LM1	MLB-201209-0080P-N	1	PCE	
1007	E-L-0407-1547	CORE BEAD 100MHZ 80 OHM 3A 080	.2 2921174612	LM10	MLB-201209-0080P-N	1	PCE	
1008	E-L-0407-1547	CORE BEAD 100MHZ 80 OHM 3A 080	.2 2921174612	LM16	MLB-201209-0080P-N	1	PCE	
1009	E-L-0407-1547	CORE BEAD 100MHZ 80 OHM 3A 080	.2 2921174612	LM17	MLB-201209-0080P-N	1	PCE	
1010	E-L-0407-1547	CORE BEAD 100MHZ 80 OHM 3A 080	.2 2921174612	LM19	MLB-201209-0080P-N	1	PCE	
1011	E-L-0407-1547	CORE BEAD 100MHZ 80 OHM 3A 080	.2 2921174612	LM2	MLB-201209-0080P-N	1	PCE	
1012	E-L-0407-1547	CORE BEAD 100MHZ 80 OHM 3A 080	.2 2921174612	LM20	MLB-201209-0080P-N	1	PCE	
1013	E-L-0407-1547	CORE BEAD 100MHZ 80 OHM 3A 080	.2 2921174612	LM21	MLB-201209-0080P-N	1	PCE	
1014	E-L-0407-1547	CORE BEAD 100MHZ 80 OHM 3A 080	.2 2921174612	LM22	MLB-201209-0080P-N	1	PCE	
1015	E-L-0407-1547	CORE BEAD 100MHZ 80 OHM 3A 080	.2 2921174612	LM23	MLB-201209-0080P-N	1	PCE	
1016	E-L-0407-1547	CORE BEAD 100MHZ 80 OHM 3A 080	.2 2921174612	LM25	MLB-201209-0080P-N	1	PCE	

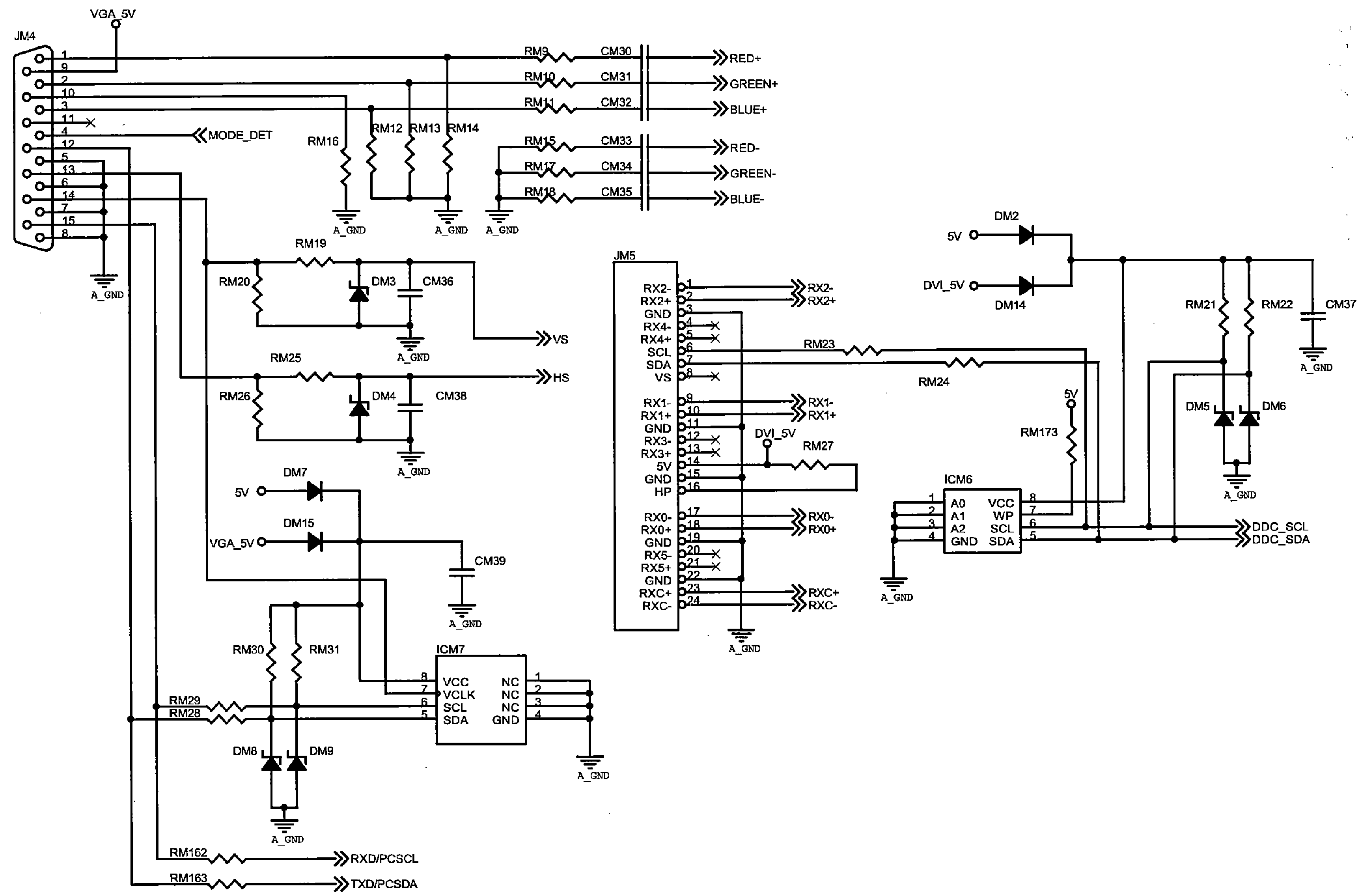
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1019	E-L-0407-1547	CORE BEAD 100MHZ 80 OHM 3A 080	.2 2921174612	LM41	MLB-201209-0080P-N	1	PCE	
1020	E-L-0407-1547	CORE BEAD 100MHZ 80 OHM 3A 080	.2 2921174612	LM42	MLB-201209-0080P-N	1	PCE	
1021	E-L-0407-1547	CORE BEAD 100MHZ 80 OHM 3A 080	.2 2921174612	LM43	MLB-201209-0080P-N	1	PCE	
1022	E-L-0407-1547	CORE BEAD 100MHZ 80 OHM 3A 080	.2 2921174612	LM45	MLB-201209-0080P-N	1	PCE	
1023	E-L-0407-1547	CORE BEAD 100MHZ 80 OHM 3A 080	.2 2921174612	LM46	MLB-201209-0080P-N	1	PCE	
1024	E-L-0407-1547	CORE BEAD 100MHZ 80 OHM 3A 080	.2 2921174612	LM47	MLB-201209-0080P-N	1	PCE	
1025	E-L-0407-1547	CORE BEAD 100MHZ 80 OHM 3A 080	.2 2921174612	LM48	MLB-201209-0080P-N	1	PCE	
1026	E-L-0407-1547	CORE BEAD 100MHZ 80 OHM 3A 080	.2 2921174612	LM49	MLB-201209-0080P-N	1	PCE	
1027	E-L-0407-1547	CORE BEAD 100MHZ 80 OHM 3A 080	.2 2921174612	LM6	MLB-201209-0080P-N	1	PCE	
1028	E-L-0407-1547	CORE BEAD 100MHZ 80 OHM 3A 080	.2 2921174612	LM7	MLB-201209-0080P-N	1	PCE	
1029	E-L-0407-1547	CORE BEAD 100MHZ 80 OHM 3A 080	.2 2921174612	LM8	MLB-201209-0080P-N	1	PCE	
1030	E-L-0407-1547	CORE BEAD 100MHZ 80 OHM 3A 080	.2 2921174612	LM9	MLB-201209-0080P-N	1	PCE	
1031	E-L-0407-1545	CORE BEAD 100MHZ 17 OHM 0.6A 0	.2 2921174712	LM12	MLB-201209-0017A-N	1	PCE	
1032	E-L-0407-1545	CORE BEAD 100MHZ 17 OHM 0.6A 0	.2 2921174712	LM18	MLB-201209-0017A-N	1	PCE	
1033		PWB M0 L4 FR-4 100*175 (CTL BD	.2 2973006703			1	PCE	
1034		SOCKET IC 44P P1.27 SMD	.2 3020015300		1041004401	1	PCE	FOR ICM10
1035		HEADER NY66 94V0 AG 100 %	.2 3070105800	JM11	53048-0910	1	PCE	
1036		HEADER NY66 94V-0 9P P=1.25 R AG 0 %	.2 3070105834	JM11	A1251WR0-9P	1	PCE	
1037		HEADER NY66 94V0 AI 100 %	.2 3070105900	JM10	53048-1010	1	PCE	
1038		HEADER NY66 94V-0 10P P=1.25 R AI 0 %	.2 3070105934	JM10	A1251WR0-10P	1	PCE	
1039		HEADER NY66 94V0 AJ 100 %	.2 3070106000	JM9	53048-1110	1	PCE	
1040		HEADER NY66 94V-0 11P P=1.25 R AJ 0 %	.2 3070106034	JM9	A1251WR0-11P	1	PCE	
1041		HEADER NY66 94V0 AK 100 %	.2 3070106300	JM7	53048-1310	1	PCE	
1042		HEADER NY66 94V-0 13P=1.25 R AK 0 %	.2 3070106334	JM7	A1251WR0-13P	1	PCE	
1043		CONN SOCKET POLYESTER 94V0 2*5	.2 3070185230	JM3	PTRZ-10R1-B-R1	1	PCE	
1044		HEADER NYLON66(UL) 94V-0 7PIN	.2 3071297334	JM2	A2001WR2-7P	1	PCE	
1045	M-MS-0808-8178	JACK DC POWRER	.2 3071517100	JM1		1	PCE	
1046		CONN D-SUB 94V-0 15P R/A PC99	.2 3075308357	JM4	DV11201-P8	1	PCE	
1047		LABEL REISTRATION 40*16	.2 3202009100			1	PCE	
1048		LABEL MCU 11*11 POLYESTER 50#	.2 3202215900			1	PCE	
1049		BRACKET PHOSPHOR BRONZE FOR DC	.2 3460104600			1	PCE	JM1
1050		CONDUCTIVE FABRIC GASKET 9*6	.2 3472800600			2	PCE	

7. Schematic Diagrams



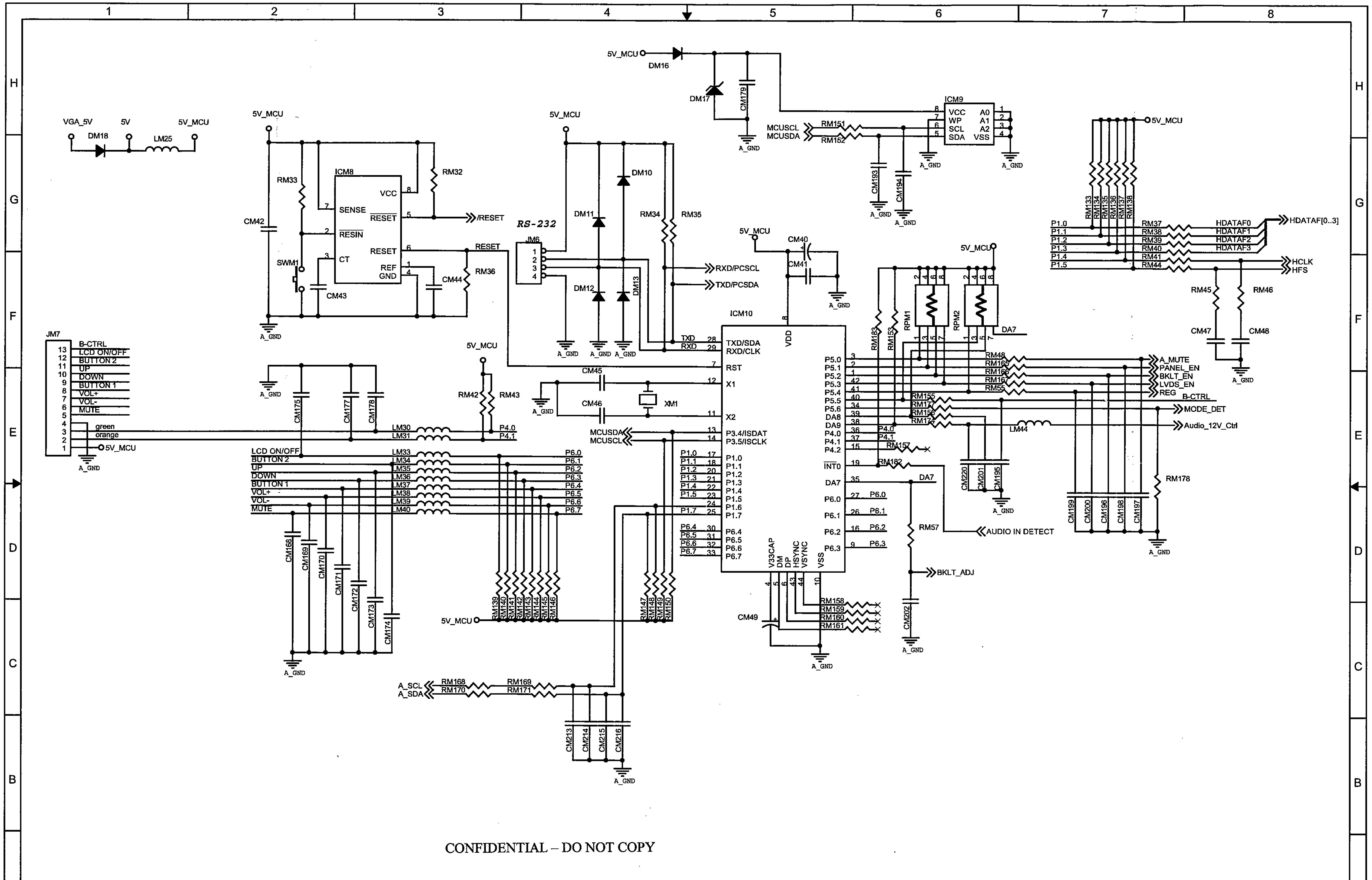
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	PCB: 2973006703	FILE NAME: VG800-2.SCH		JOHNNY.HU 04/16 '02	BINGHAI.LIU 04/16 '02	2973006703-PK	3	1 TO 2
	DESCRIPTION: SCHEMATIC OF LCD MONITOR							



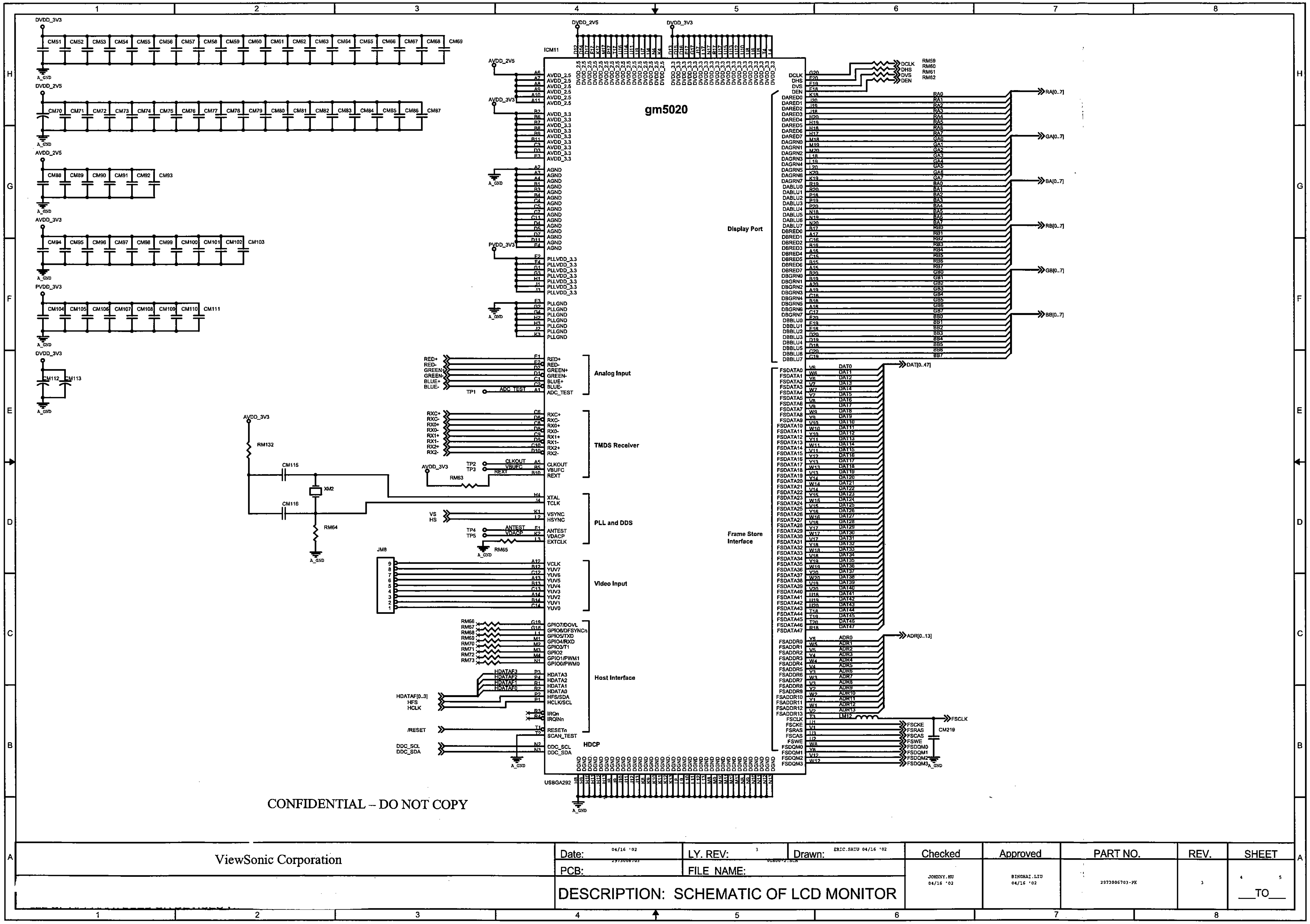
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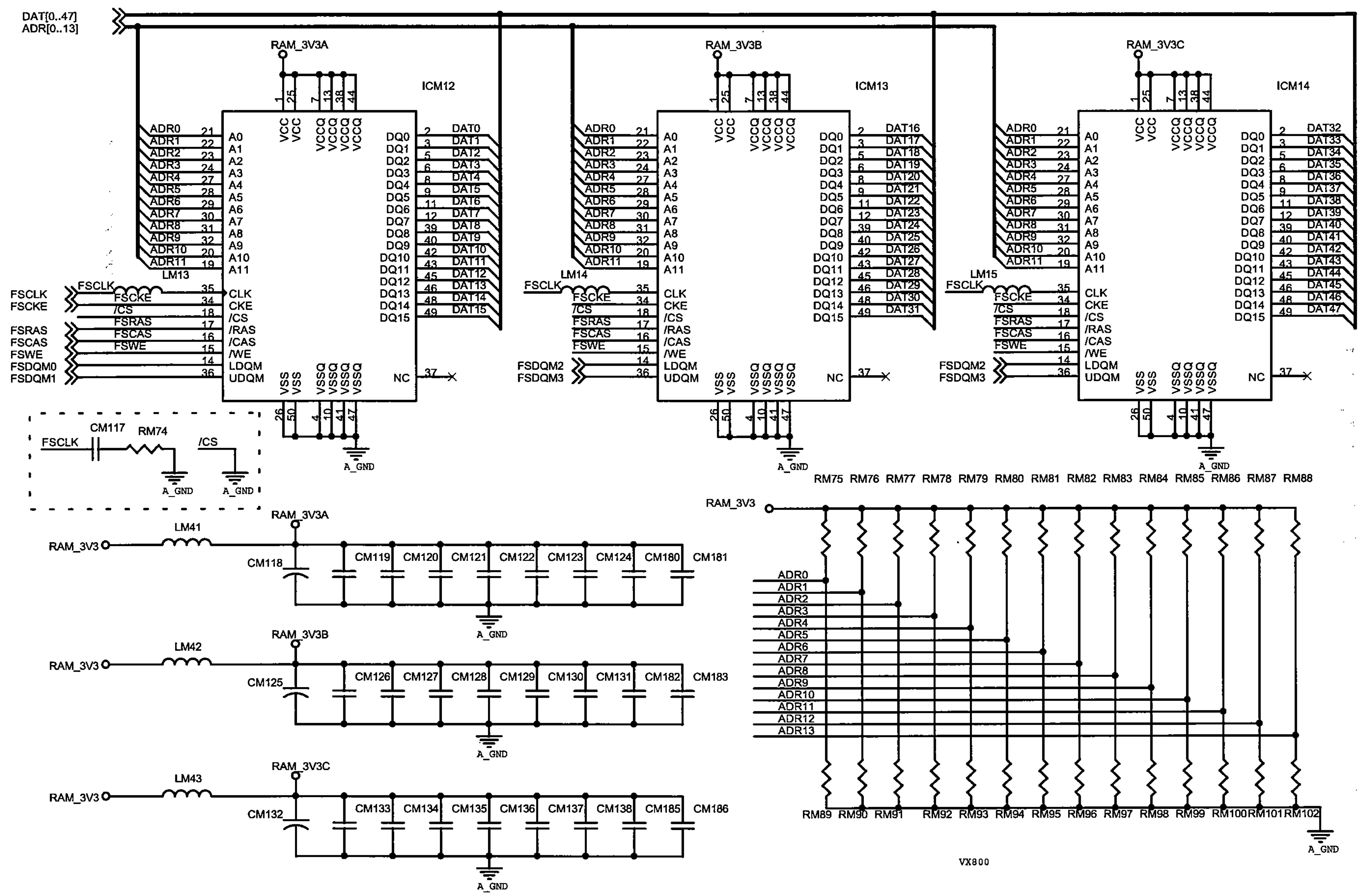
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	PCB: 2973006703	FILE NAME: VG800-2.SCH		JOHNNY.HU 04/16 '02	BINGHAI.LIU 04/16 '02	2973006703-PK	3	2 TO 3
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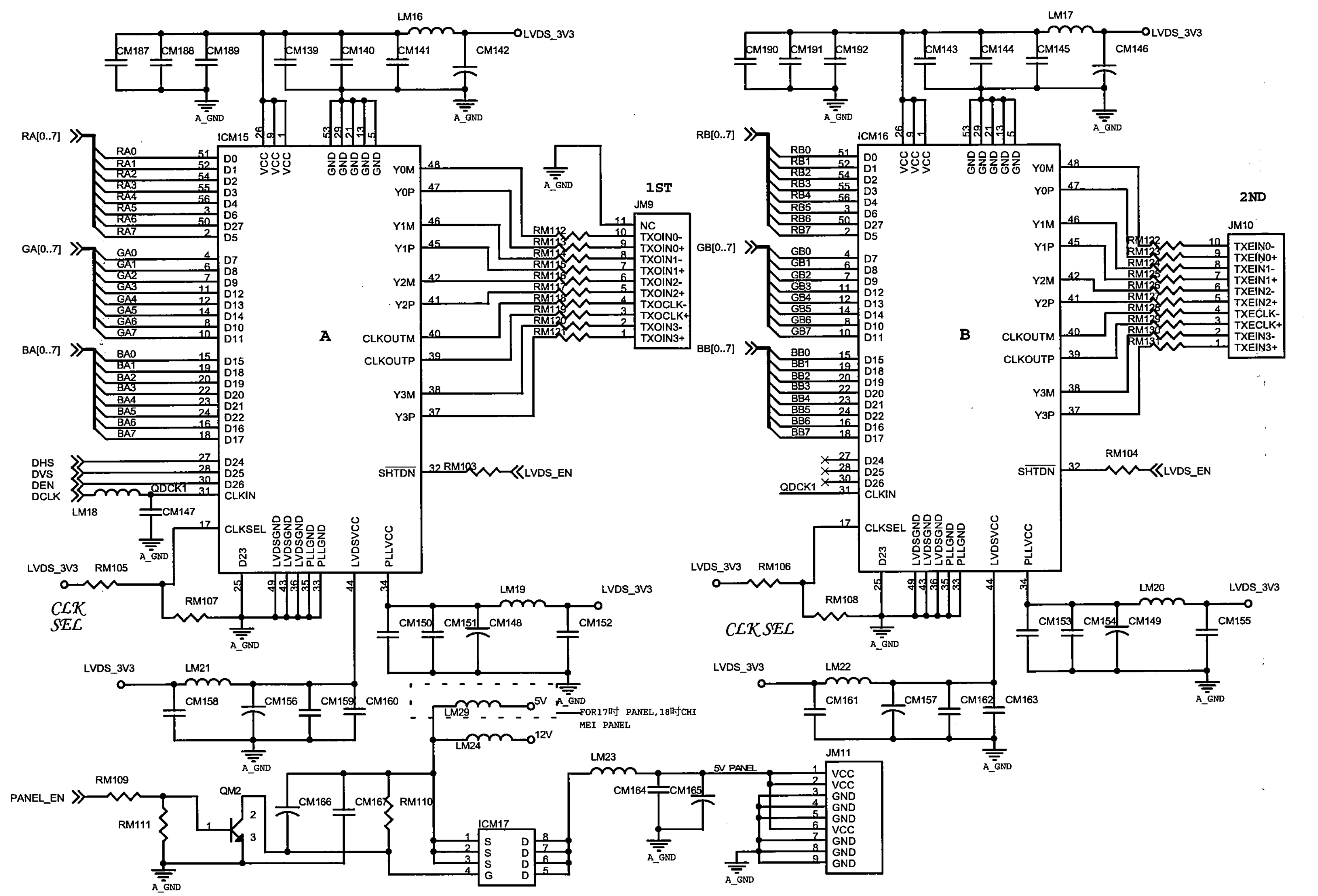
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	DESCRIPTION: SCHEMATIC OF LCD MONITOR							


gm5020
Display Port
Analog Input
TMDS Receiver
PLL and DDS
Video Input
Host Interface
HDCP
Frame Store Interface
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ViewSonic Corporation
Date:
LY. REV:
Drawn:
Checked
Approved
PART NO.
REV.
SHEET
PCB:
FILE NAME:
DESCRIPTION: SCHEMATIC OF LCD MONITOR
TO



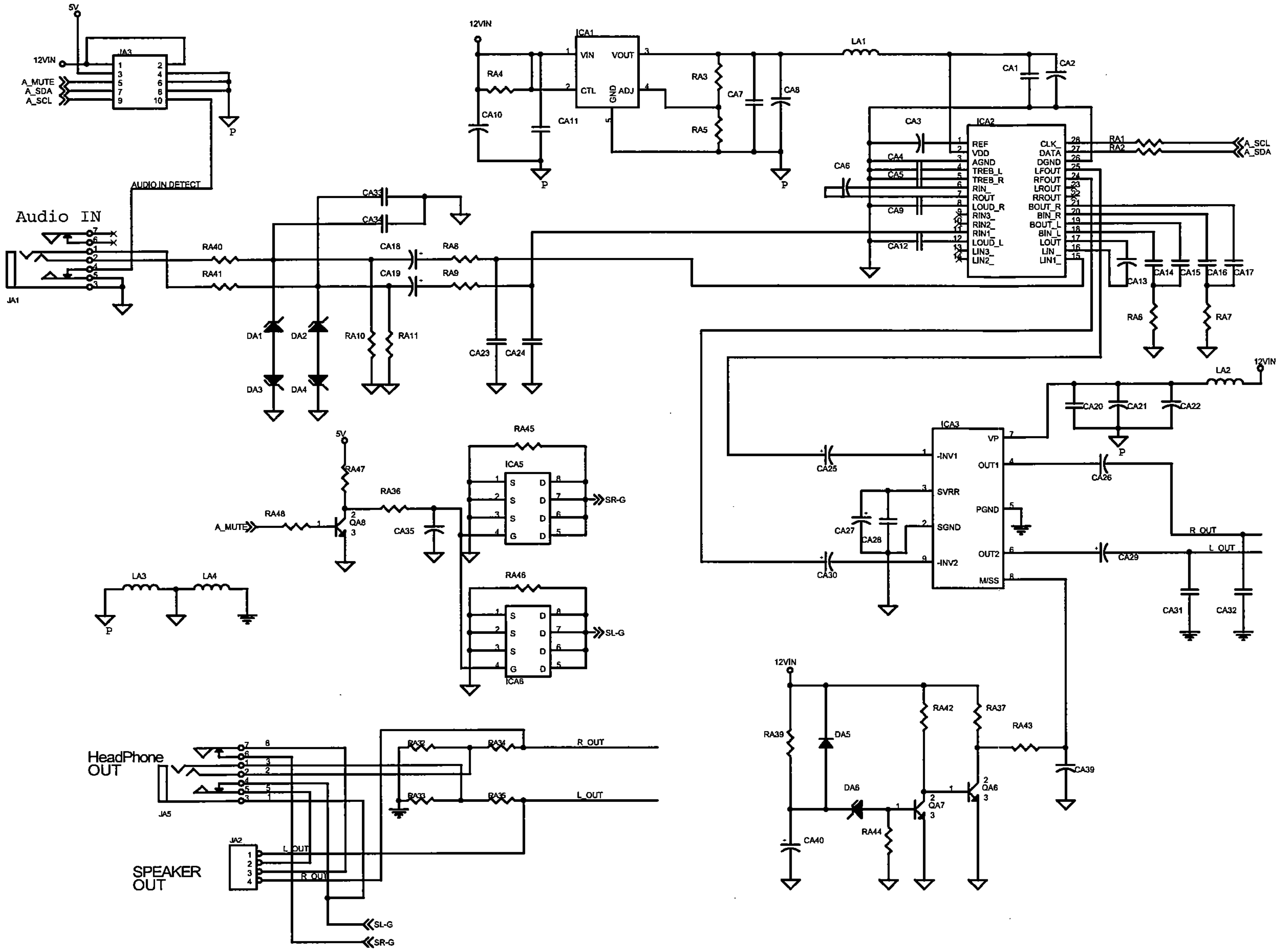
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	PCB: 2973006703	FILE NAME: VG800-2.SCH		JOHNNY.HU 04/16 '02	BINGHAI.LIU 04/16 '02	2973006703-PK	3	5 TO 6
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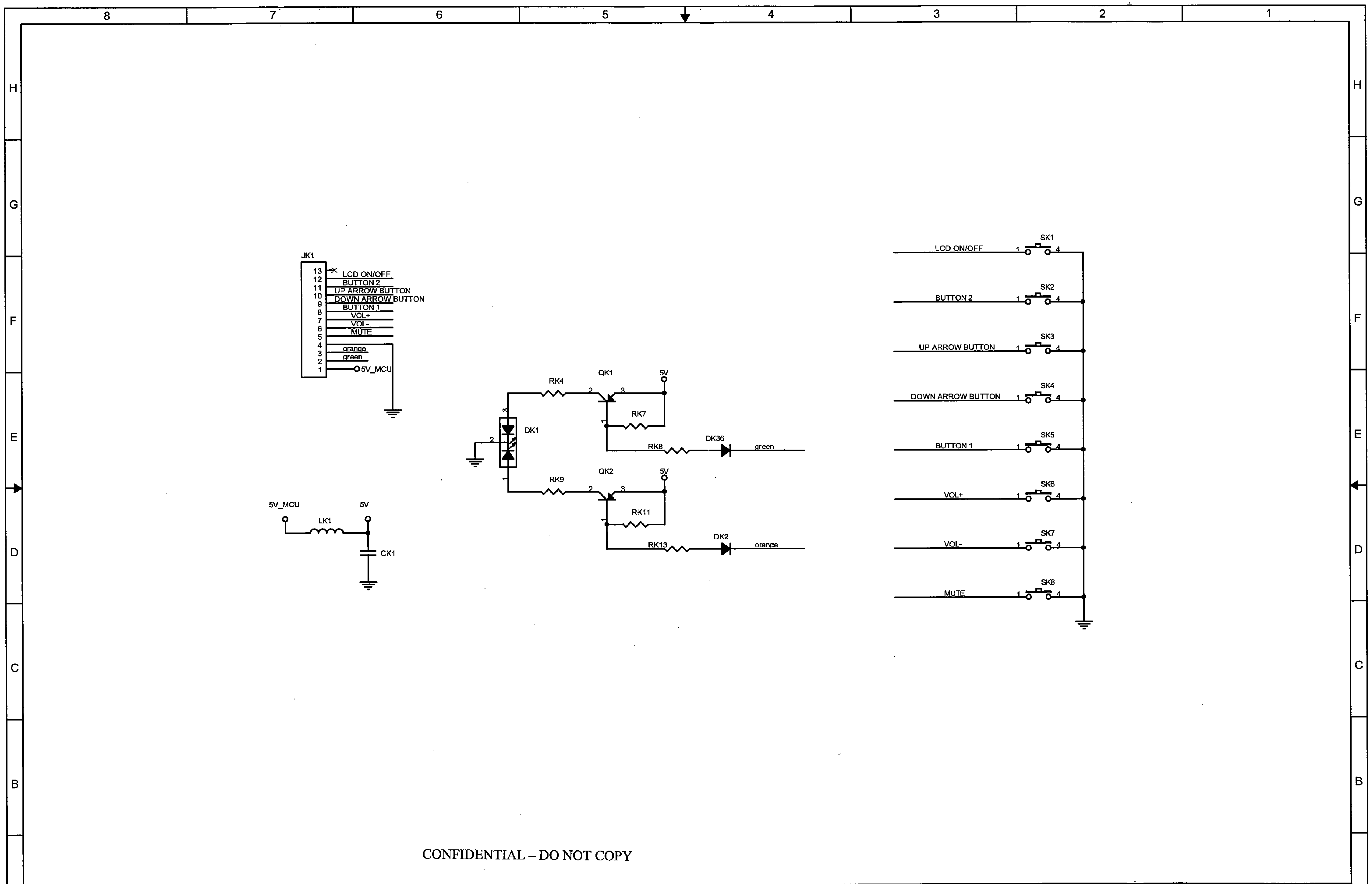
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	PCB: 2973006703	FILE NAME: VG800-2.SCH		JOHNNY.HU 04/16 '02	BINGHAI.LIU 04/16 '02	2973006703-PK	3	6 TO END
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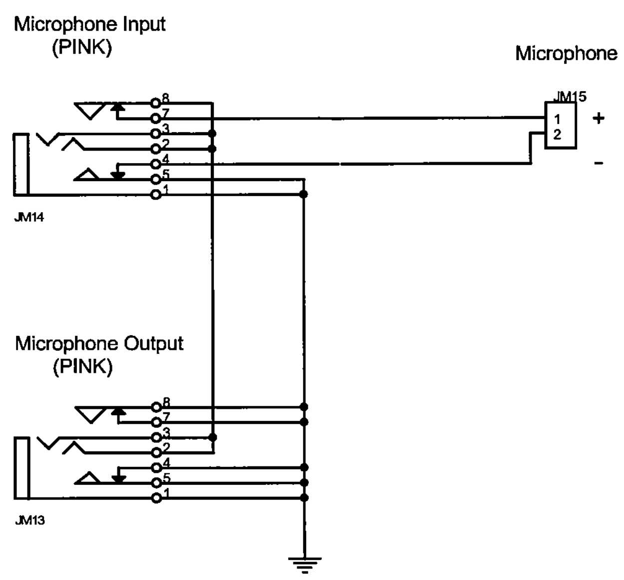


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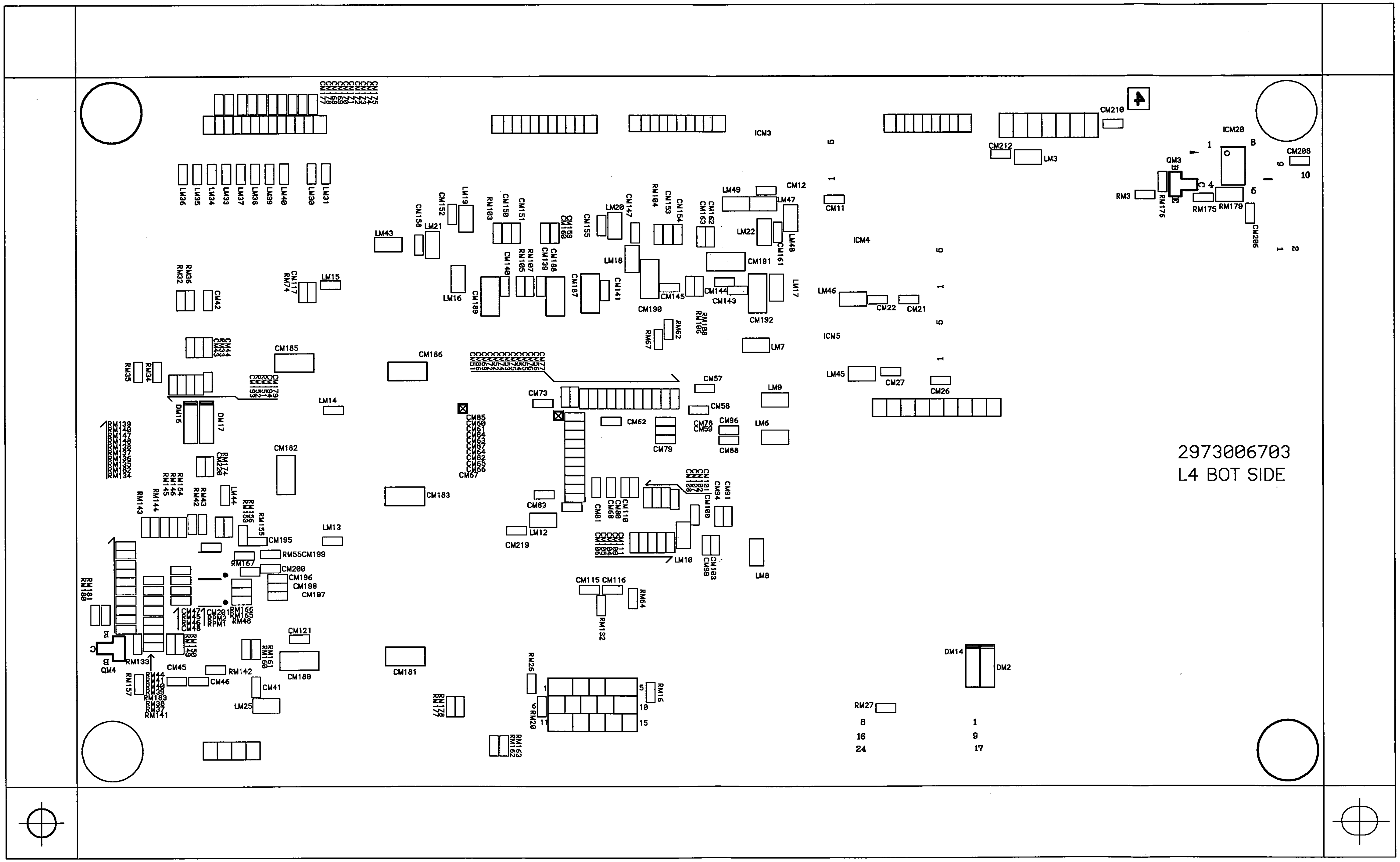
ViewSonic Corporation	Date: 01/16 '02	LY. REV: 1	Drawn: ERIC.SHIU 01/16 '02	Checked	Approved	PART NO.	REV.	SHEET
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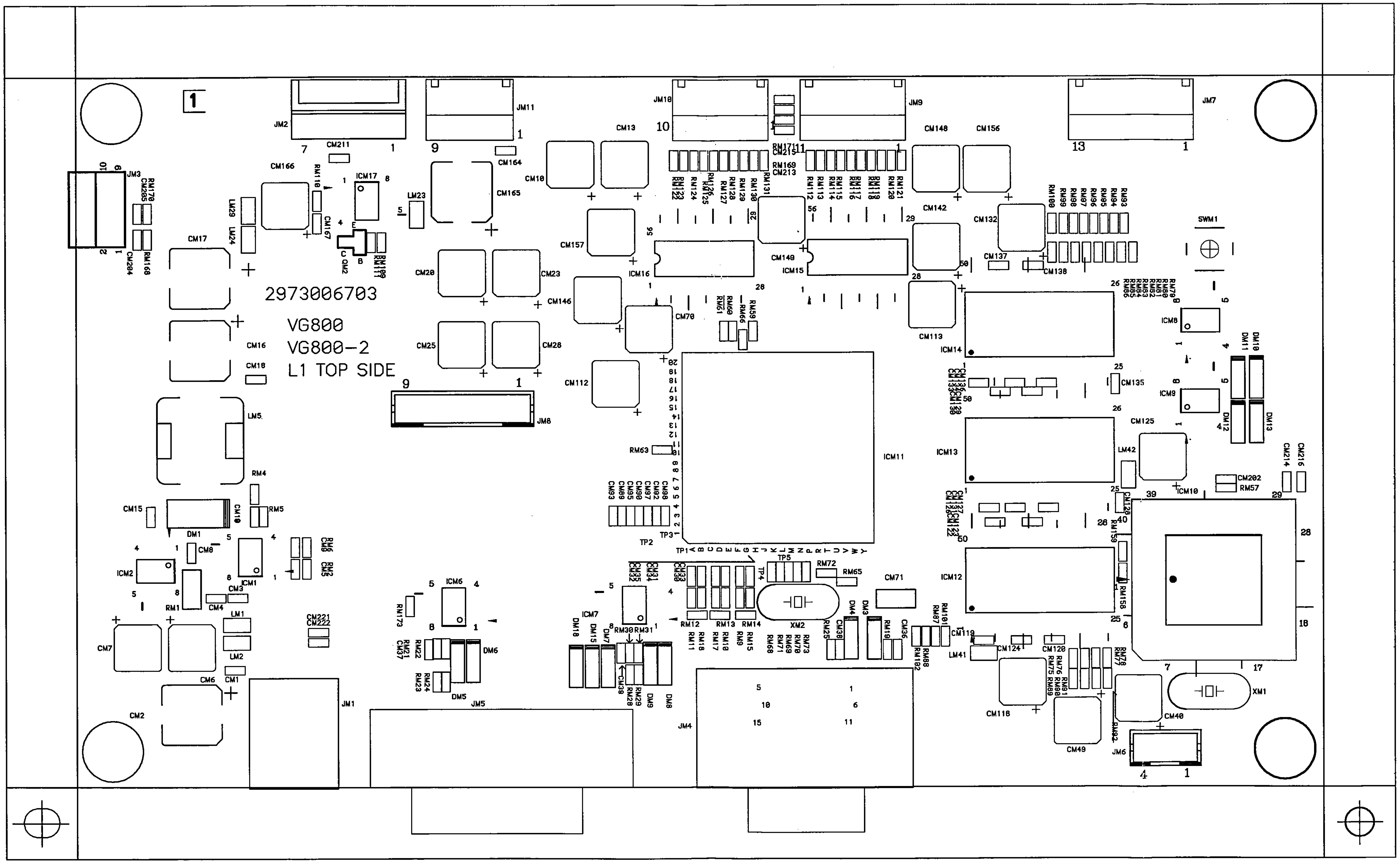


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ViewSonic Corporation	Date: 01/16 '02	LY. REV: 0	Drawn: MURPHY.GAU 01/16 '02	Checked	Approved	PART NO.	REV.	SHEET
	PCB: 2973007400	FILE NAME:		MURPHY.GAU 01/16 '02	RICHES.HUNG 01/16 '02	2973007400-PK	0	1 TO END
	DESCRIPTION: SCHEMATIC OF LCD MONITOR							

8. PCB Layout Drawings




2973006703
VG800
VG800-2
L1 TOP SIDE

Reader's Response

Dear Readers:

Thank you in advance for your feedback on our Service Manual,which allows continuous improvement of our products. We would appreciate your completion of the Assessment Matrix below, for return to ViewSonic corporation.

Assessment

A. What do you think about the content after reading **VG800b** series Service Manual?

Unit	*Excellent*	*Good*	*Fair*	*Bad*
Specification				
Electronic Circuit Description				
Adjustment				
Troubleshooting Flow Chart				
Schematics Diagrams				
PCB Drawing				
Recommend Spare Parts List				
Complete Parts List				

B. Are you satisfied with the **VG800b** service manual?

Item	*Excellent*	*Good*	*Fair*	*Bad*
1. Service Manual Content				
2. Service Manual Layout				
3. The form and listing				

C. Do you have any other opinion or suggestion about this service manual?

Reader's basic data:

Name:		Title:	
Company:			
Add:			
Tel:		Fax:	
E-mail:			

After completing this form, please return it to ViewSonic Quality Assurance in the USA at facsimile 1-909-839-7943. You may also e-mail any suggestions to the Director of Quality Assurance (maupinm@viewsonic.com)